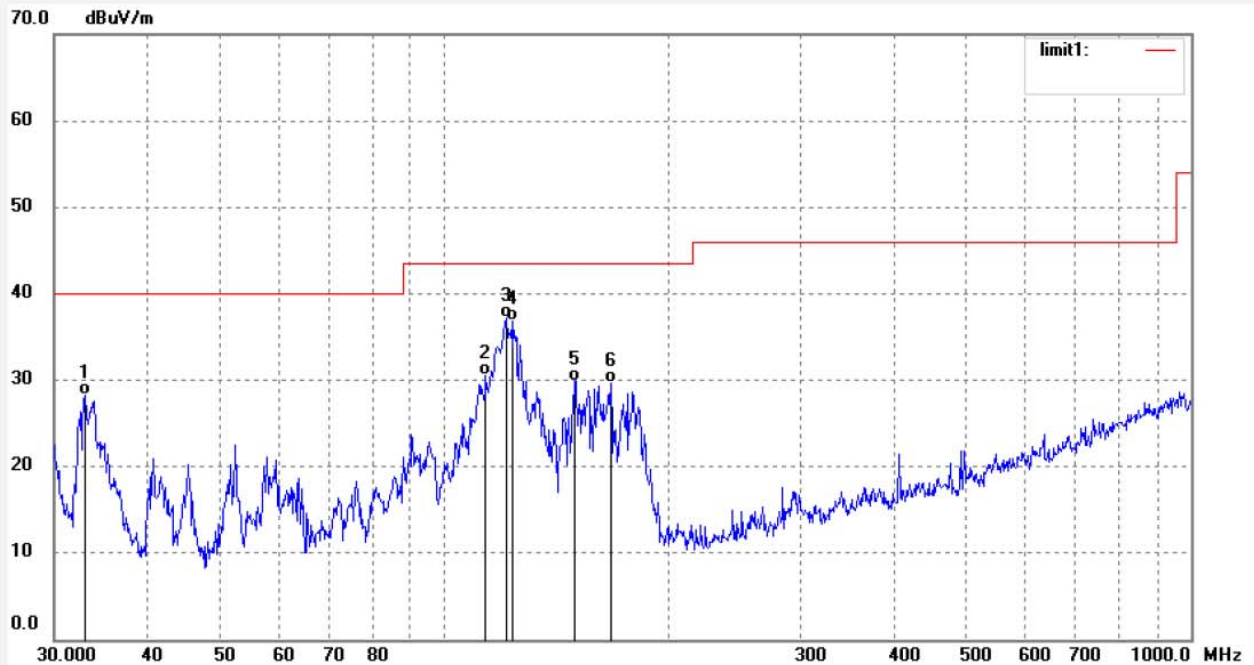


Job No.: FRANK2018A #662
Standard: FCC 15.247 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Light Strip
Mode: TX Channel 6(802.11b)
Model: S-01
Manufacturer: /

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 18/12/27/
Time: 16/49/43
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20182211

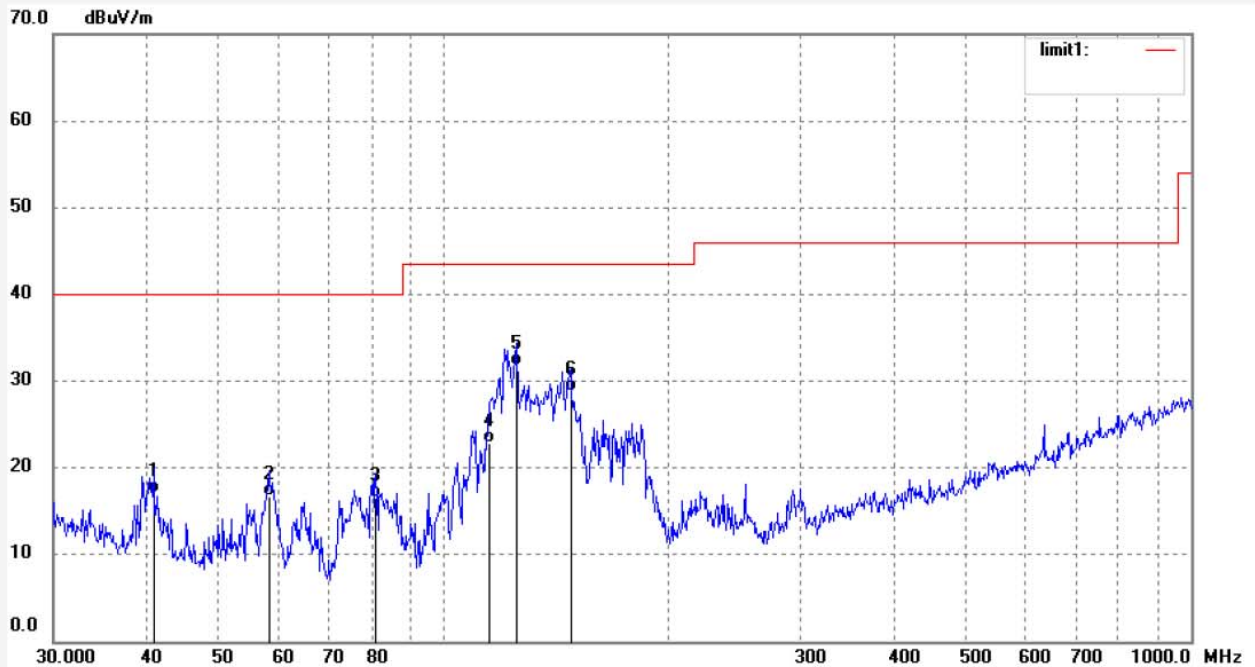


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	32.9853	49.18	-20.95	28.23	40.00	-11.77	QP	100	196	
2	113.6184	57.87	-27.33	30.54	43.50	-12.96	QP	100	221	
3	121.0362	64.59	-27.46	37.13	43.50	-6.37	QP	100	66	
4	123.1814	64.33	-27.53	36.80	43.50	-6.70	QP	100	103	
5	149.4415	57.96	-28.05	29.91	43.50	-13.59	QP	100	360	
6	167.2249	55.93	-26.29	29.64	43.50	-13.86	QP	100	116	

Job No.: FRANK2018A #664
Standard: FCC 15.247 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Light Strip
Mode: TX Channel 11(802.11b)
Model: S-01
Manufacturer: /

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 18/12/27/
Time: 16/50/40
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20182211

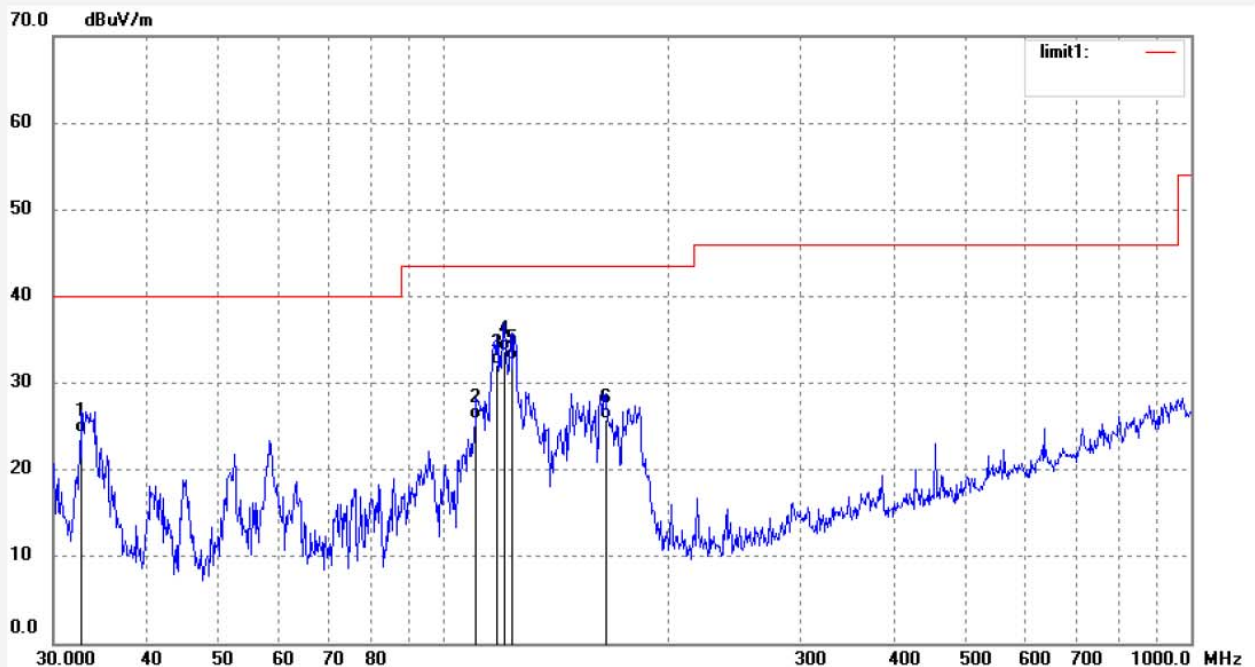


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	40.8699	40.87	-23.73	17.14	40.00	-22.86	QP	200	203	
2	58.2802	43.87	-27.14	16.73	40.00	-23.27	QP	200	66	
3	81.0885	43.97	-27.42	16.55	40.00	-23.45	QP	200	246	
4	114.4197	50.12	-27.35	22.77	43.50	-20.73	QP	200	95	
5	124.9248	59.31	-27.60	31.71	43.50	-11.79	QP	200	201	
6	147.8746	56.87	-28.05	28.82	43.50	-14.68	QP	200	103	

Job No.: FRANK2018A #665
Standard: FCC 15.247 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Light Strip
Mode: TX Channel 11(802.11b)
Model: S-01
Manufacturer: /

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 18/12/27/
Time: 16/51/26
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20182211



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	32.7544	45.12	-20.89	24.23	40.00	-15.77	QP	100	103	
2	110.4693	53.15	-27.28	25.87	43.50	-17.63	QP	100	219	
3	117.6815	59.48	-27.39	32.09	43.50	-11.41	QP	100	92	
4	120.6118	61.12	-27.46	33.66	43.50	-9.84	QP	100	61	
5	123.6150	60.12	-27.54	32.58	43.50	-10.92	QP	100	159	
6	164.8912	52.38	-26.55	25.83	43.50	-17.67	QP	100	221	

1GHz-18GHz test data

Mode:802.11b



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F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LGW2018 #1260

Standard: FCC 15.247 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: Light Strip

Mode: TX 2412MHz

Model: S-01

Manufacturer: /

Polarization: Horizontal

Power Source: AC 120V/60Hz

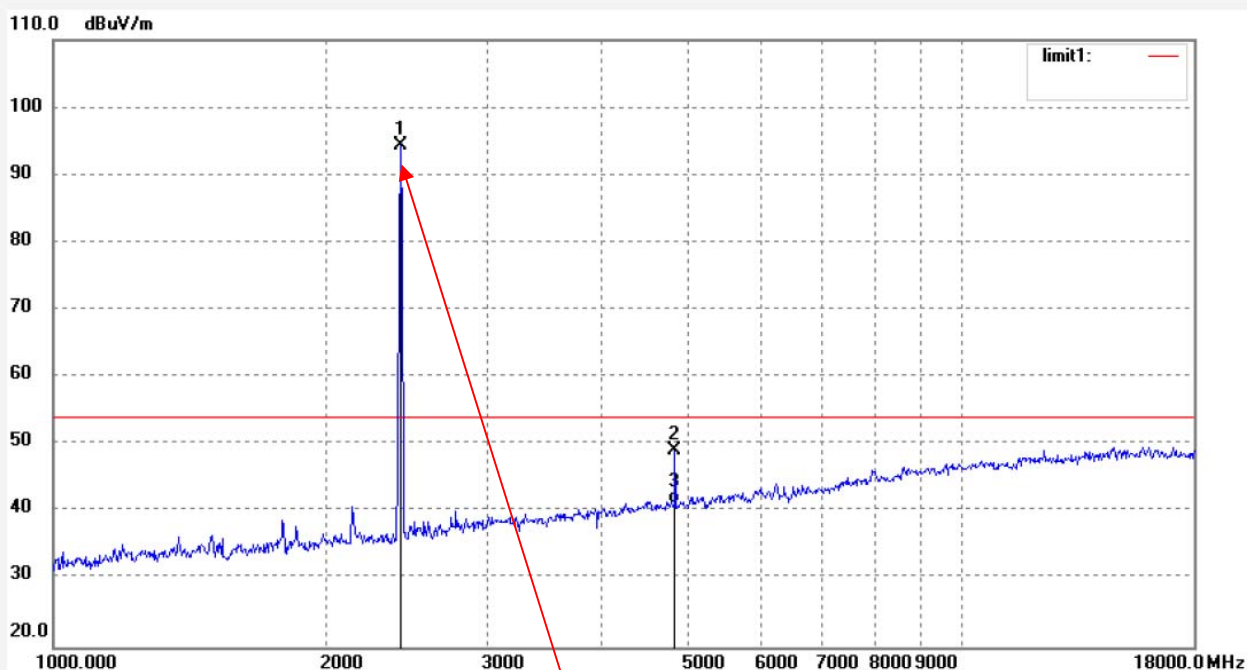
Date: 18/12/26/

Time:

Engineer Signature: WADE

Distance: 3m

Note: 802.11b



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2412.000	93.52	0.93	94.45	/	/	peak			
2	4824.225	41.47	7.58	49.05	74.00	-24.95	peak			
3	4824.225	33.74	7.58	41.32	54.00	-12.68	AVG			

Fundamental frequency

Note: The test value of the fundamental frequency is below the standard limit.

Shenzhen Accurate Technology Co., Ltd.

Address: 1/F., Building A, Changyuan New Material Port, Science & Industry Park, Nanshan District, Shenzhen, Guangdong, P.R. China

Tel: +86-755-26503290

Fax: +86-755-26503396

E-mail: webmaster@atc-lab.com

Http://www.atc-lab.com

Job No.: LGW2018 #1261

Standard: FCC 15.247 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: Light Strip

Mode: TX 2412MHz

Model: S-01

Manufacturer: /

Polarization: Vertical

Power Source: AC 120V/60Hz

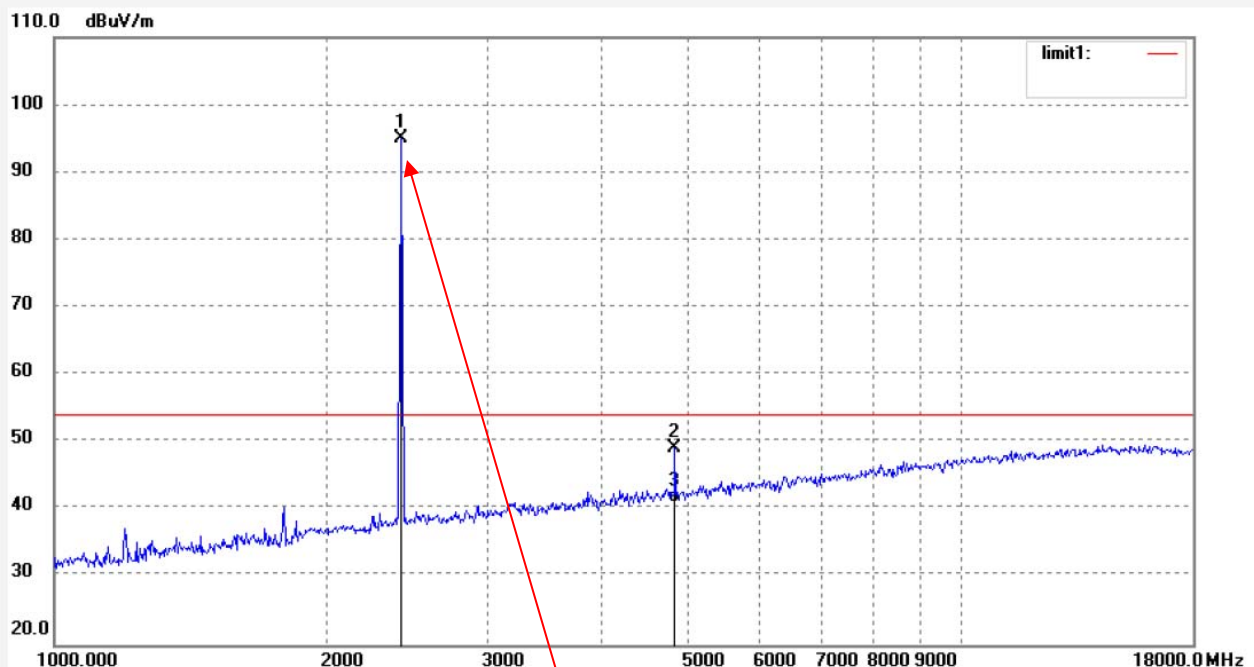
Date: 18/12/26/

Time:

Engineer Signature: WADE

Distance: 3m

Note: 802.11b



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2412.000	94.16	0.93	95.09	/	/	peak			
2	4824.224	41.53	7.58	49.11	74.00	-24.89	peak			
3	4824.224	33.44	7.58	41.02	54.00	-12.98	AVG			

Fundamental frequency

Note: The test value of the fundamental frequency is below the standard limit.

Job No.: LGW2018 #1264

Standard: FCC 15.247 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: Light Strip

Mode: TX 2437MHz

Model: S-01

Manufacturer: /

Polarization: Horizontal

Power Source: AC 120V/60Hz

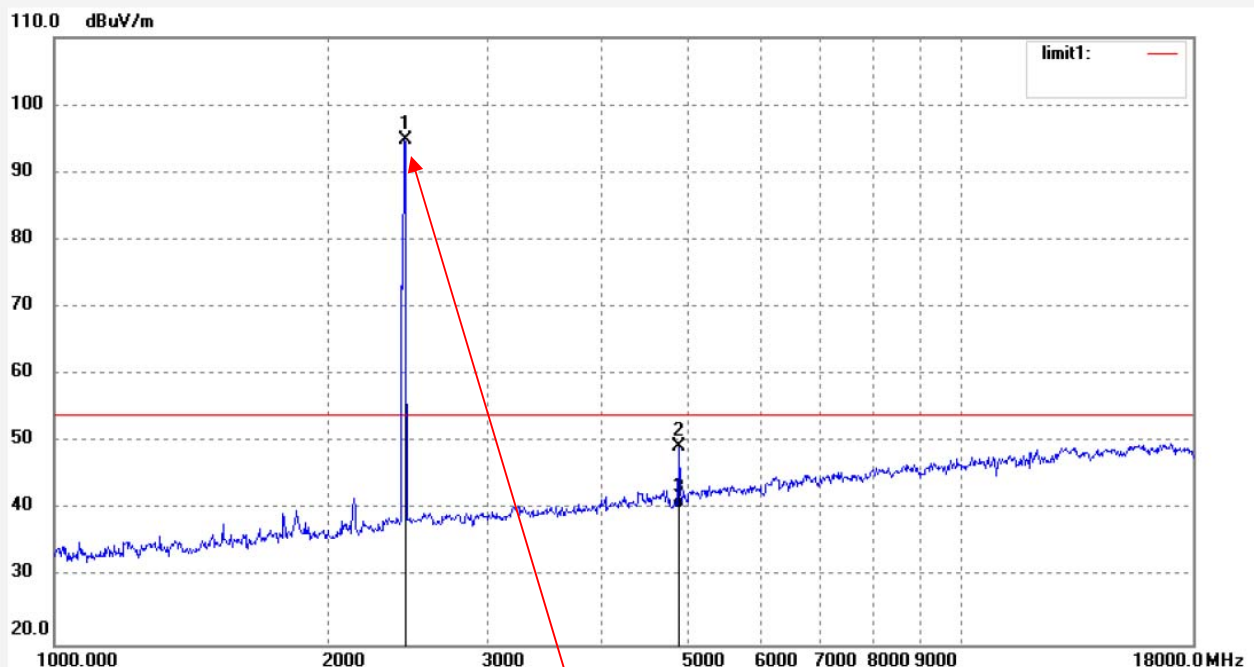
Date: 18/12/26/

Time:

Engineer Signature: WADE

Distance: 3m

Note: 802.11b



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2437.000	93.75	1.04	94.79	/	/	peak			
2	4874.227	41.38	8.04	49.42	74.00	-24.58	peak			
3	4874.227	32.17	8.04	40.21	54.00	-13.79	AVG			

Fundamental frequency

Note: The test value of the fundamental frequency is below the standard limit.

Job No.: LGW2018 #1265

Standard: FCC 15.247 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: Light Strip

Mode: TX 2437MHz

Model: S-01

Manufacturer: /

Polarization: Vertical

Power Source: AC 120V/60Hz

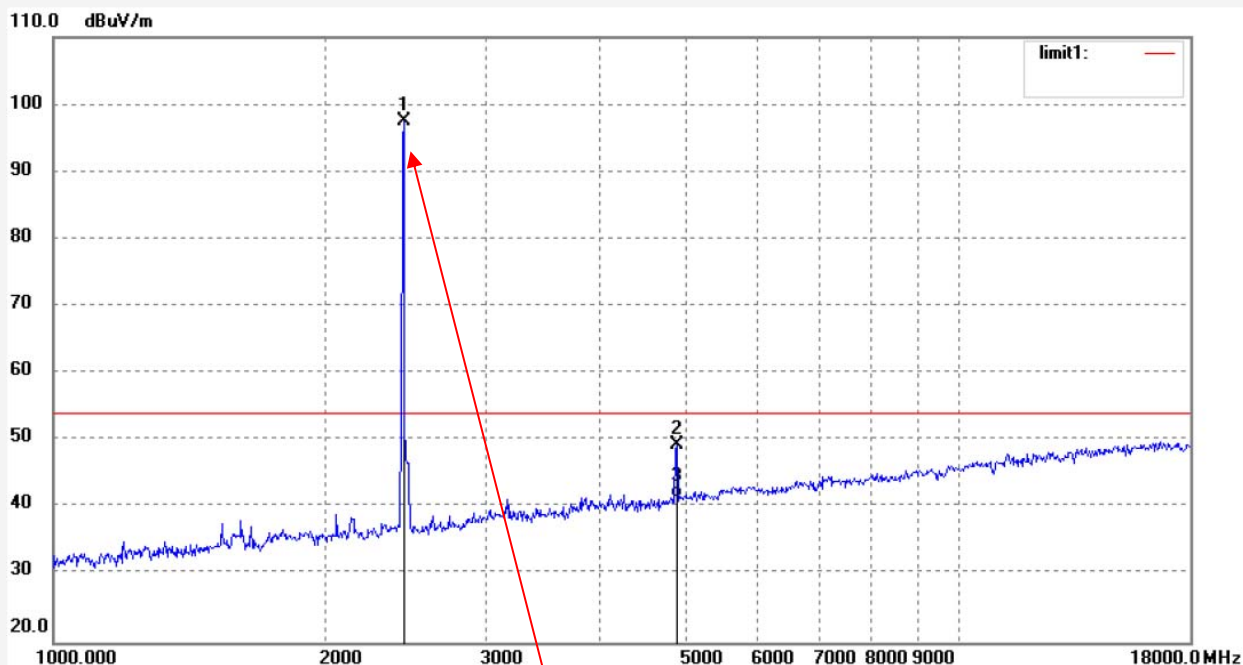
Date: 18/12/26/

Time:

Engineer Signature: WADE

Distance: 3m

Note: 802.11b



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2437.000	96.50	1.04	97.54	/	/	peak			
2	4874.229	41.27	8.04	49.31	74.00	-24.69	peak			
3	4874.229	33.53	8.04	41.57	54.00	-12.43	AVG			

Fundamental frequency

Note: The test value of the fundamental frequency is below the standard limit.

Job No.: LGW2018 #1267

Standard: FCC 15.247 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: Light Strip

Mode: TX 2462MHz

Model: S-01

Manufacturer: /

Polarization: Horizontal

Power Source: AC 120V/60Hz

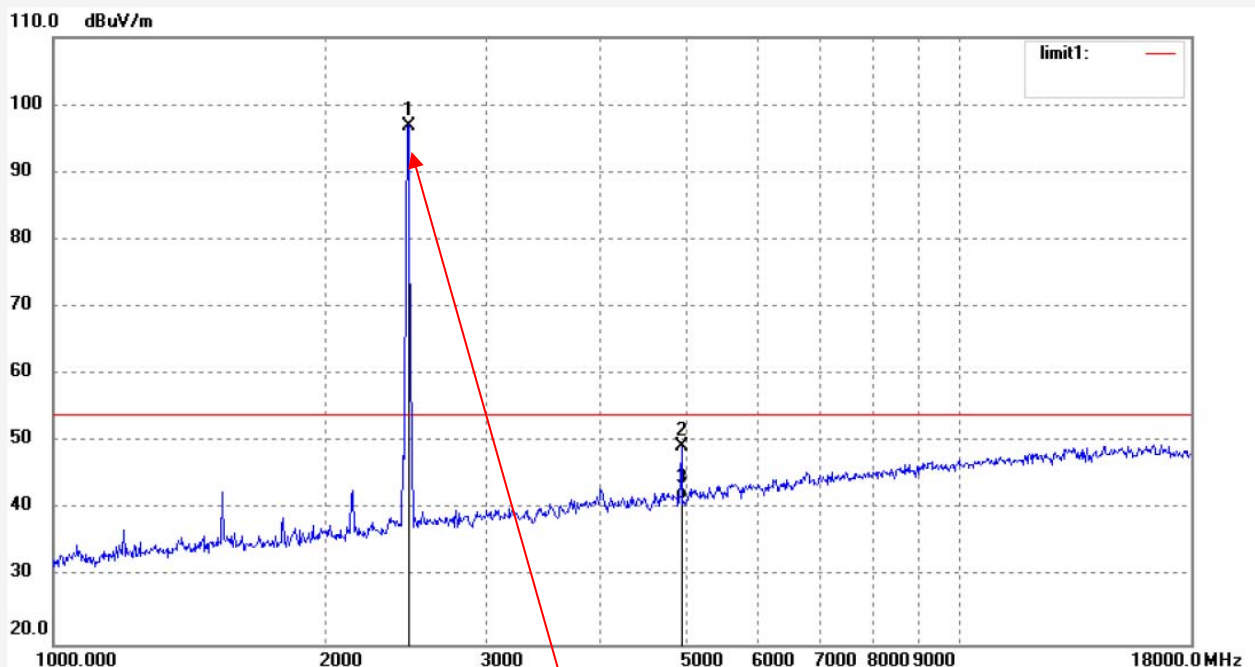
Date: 18/12/26/

Time:

Engineer Signature: WADE

Distance: 3m

Note: 802.11b



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2462.000	95.86	1.09	96.95	/	/	peak			
2	4924.235	40.89	8.40	49.29	74.00	-24.71	peak			
3	4924.235	33.17	8.40	41.57	54.00	-12.43	AVG			

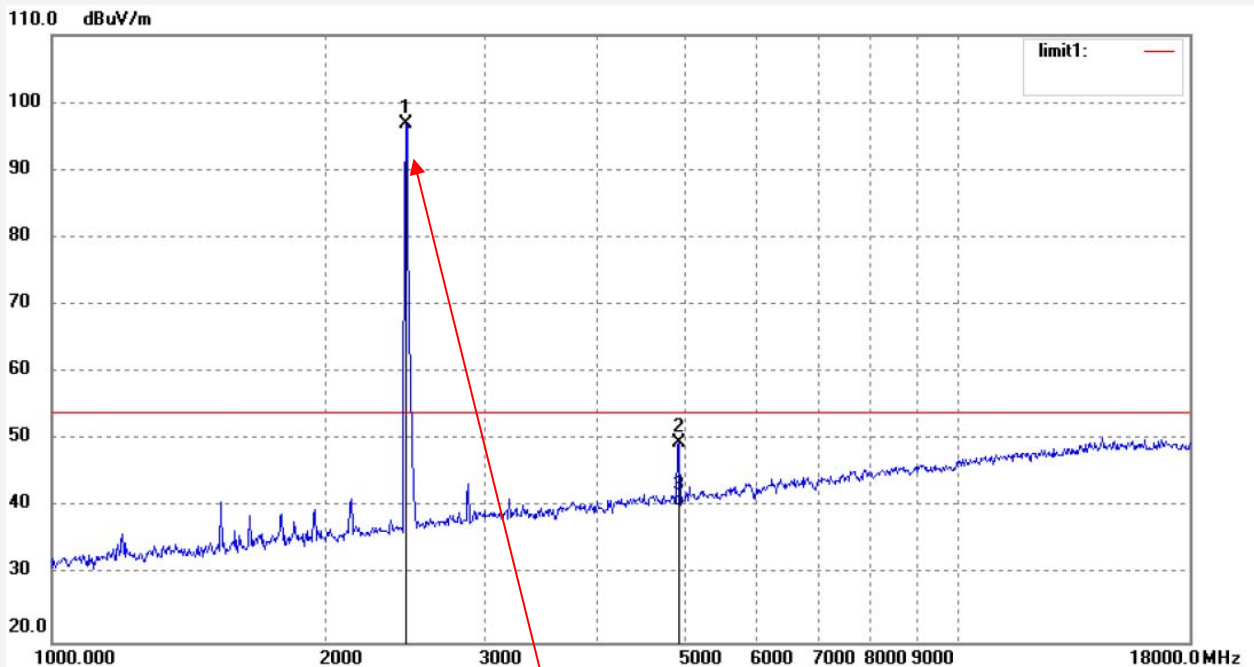
Fundamental frequency

Note: The test value of the fundamental frequency is below the standard limit.

Job No.: LGW2018 #1266
Standard: FCC 15.247 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Light Strip
Mode: TX 2462MHz
Model: S-01
Manufacturer: /

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 18/12/26/
Time:
Engineer Signature: WADE
Distance: 3m

Note: 802.11b



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2462.000	95.66	1.09	96.75	/	/	peak			
2	4924.231	41.09	8.40	49.49	74.00	-24.51	peak			
3	4924.231	31.82	8.40	40.22	54.00	-13.78	AVG			

Fundamental frequency

Note: The test value of the fundamental frequency is below the standard limit.

1GHz-18GHz test data
Mode:802.11g



ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LGW2018 #1276

Standard: FCC 15.247 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: Light Strip

Mode: TX 2412MHz

Model: S-01

Manufacturer: /

Polarization: Horizontal

Power Source: AC 120V/60Hz

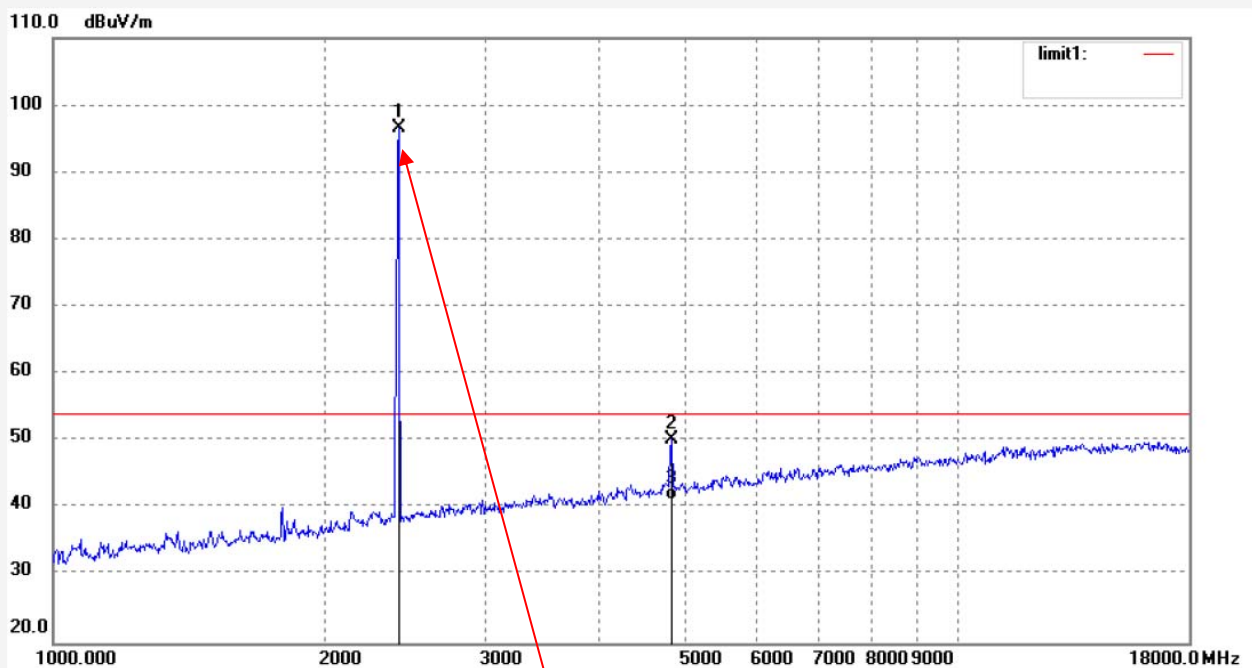
Date: 18/12/26/

Time:

Engineer Signature: WADE

Distance: 3m

Note: 802.11g



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2412.000	95.73	0.93	96.66	/	/	peak			
2	4824.230	42.59	7.58	50.17	74.00	-23.83	peak			
3	4824.230	33.65	7.58	41.23	54.00	-12.77	AVG			

Fundamental frequency

Note: The test value of the fundamental frequency is below the standard limit.

Shenzhen Accurate Technology Co., Ltd.

Address: 1/F., Building A, Changyuan New Material Port, Science & Industry Park, Nanshan District, Shenzhen, Guangdong, P.R. China

Tel: +86-755-26503290

Fax: +86-755-26503396

E-mail: webmaster@atc-lab.com

Http://www.atc-lab.com

Job No.: LGW2018 #1277

Standard: FCC 15.247 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: Light Strip

Mode: TX 2412MHz

Model: S-01

Manufacturer: /

Polarization: Vertical

Power Source: AC 120V/60Hz

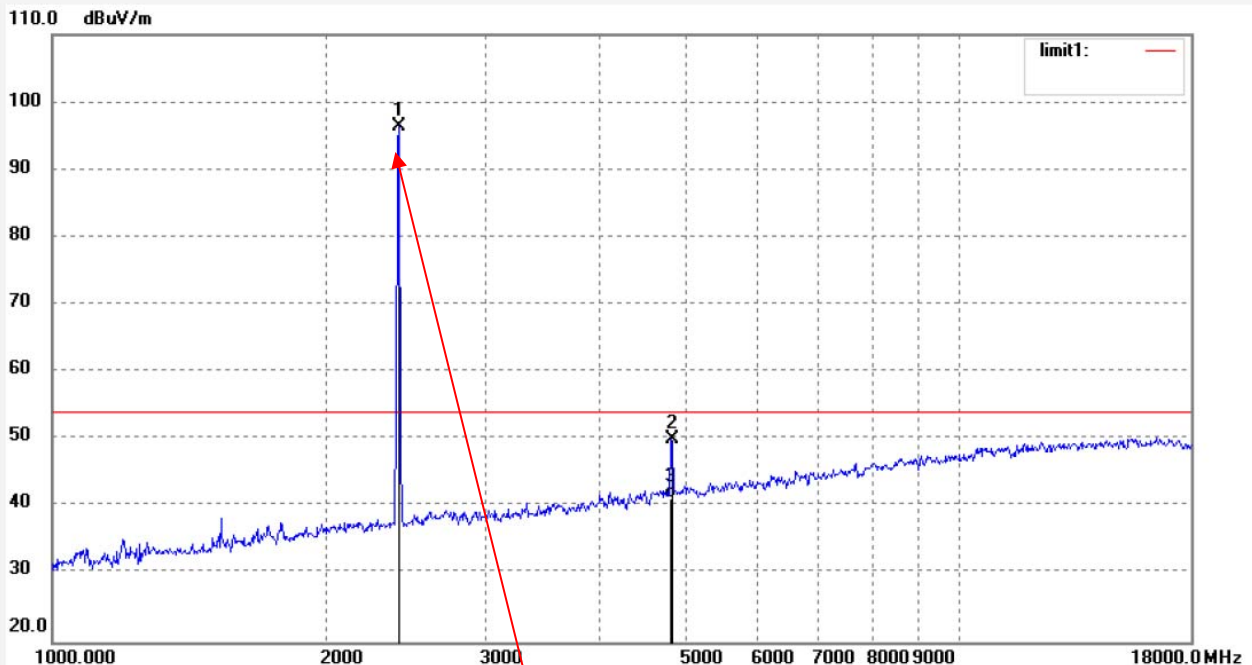
Date: 18/12/26/

Time:

Engineer Signature: WADE

Distance: 3m

Note: 802.11g



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2412.000	95.44	0.93	96.37	/	/	peak			
2	4824.228	42.36	7.58	49.94	74.00	-24.06	peak			
3	4824.228	33.66	7.58	41.24	54.00	-12.76	AVG			

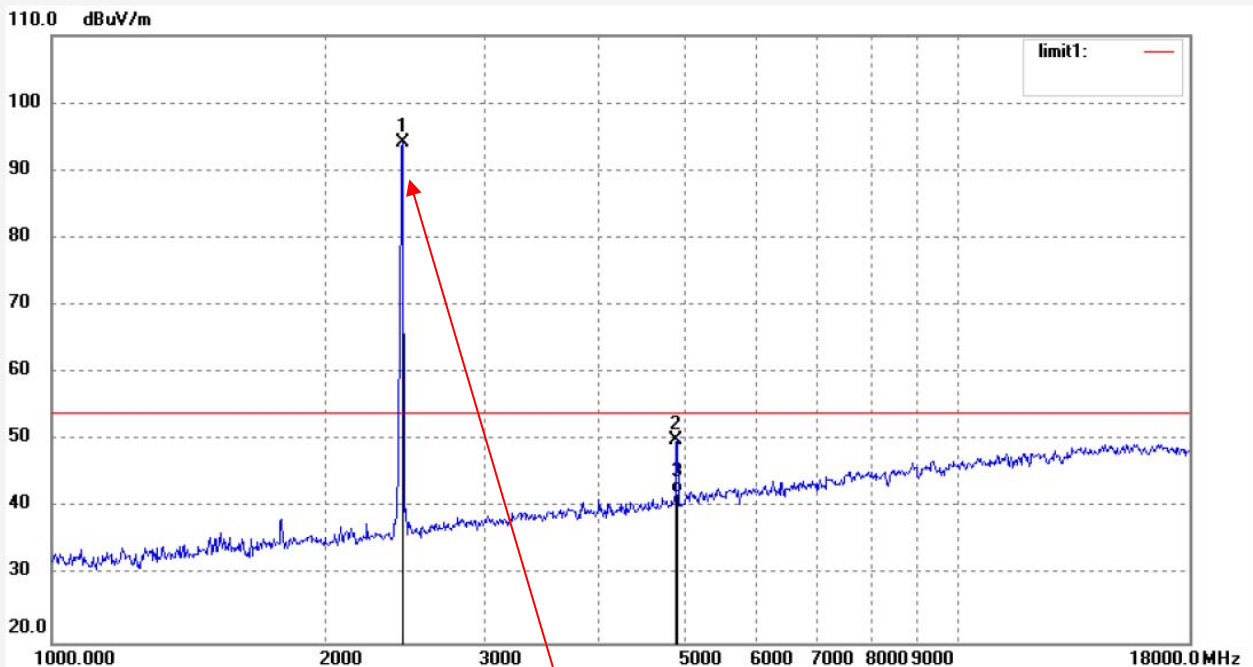
Fundamental frequency

Note: The test value of the fundamental frequency is below the standard limit.

Job No.: LGW2018 #1280
Standard: FCC 15.247 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Light Strip
Mode: TX 2437MHz
Model: S-01
Manufacturer: /

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 18/12/26/
Time:
Engineer Signature: WADE
Distance: 3m

Note: 802.11g



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2437.232	93.12	1.04	94.16	/	/	peak			
2	4874.232	42.01	8.04	50.05	74.00	-23.95	peak			
3	4874.232	34.21	8.04	42.25	54.00	-11.75	AVG			

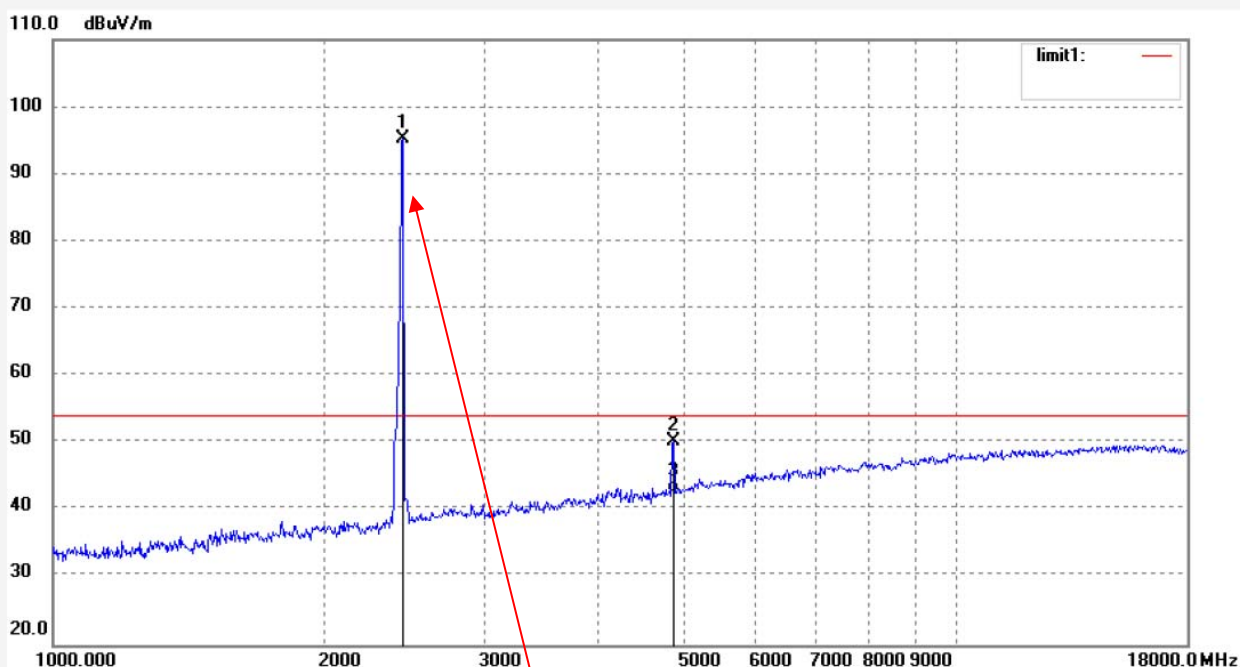
Fundamental frequency

Note: The test value of the fundamental frequency is below the standard limit.

Job No.: LGW2018 #1281
Standard: FCC 15.247 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Light Strip
Mode: TX 2437MHz
Model: S-01
Manufacturer: /

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 18/12/26/
Time:
Engineer Signature: WADE
Distance: 3m

Note: 802.11g



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2437.000	94.30	1.04	95.34	/	/	peak			
2	4874.235	42.29	8.04	50.33	74.00	-23.67	peak			
3	4874.235	34.53	8.04	42.57	54.00	-11.43	AVG			

Fundamental frequency

Note: The test value of the fundamental frequency is below the standard limit.

Job No.: LGW2018 #1283

Standard: FCC 15.247 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: Light Strip

Mode: TX 2462MHz

Model: S-01

Manufacturer: /

Polarization: Horizontal

Power Source: AC 120V/60Hz

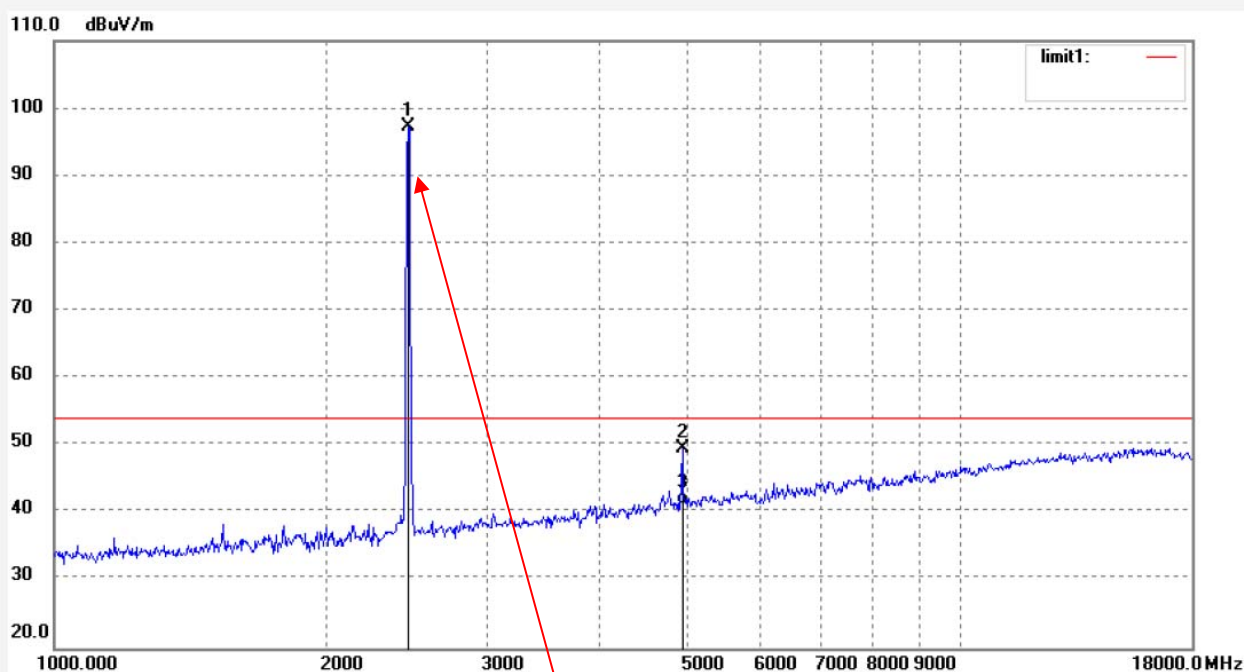
Date: 18/12/26/

Time:

Engineer Signature: WADE

Distance: 3m

Note: 802.11g



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2462.000	96.27	1.09	97.36	/	/	peak			
2	4924.240	41.14	8.40	49.54	74.00	-24.46	peak			
3	4924.240	32.96	8.40	41.36	54.00	-12.64	AVG			

Fundamental frequency

Note: The test value of the fundamental frequency is below the standard limit.

Job No.: LGW2018 #1282

Standard: FCC 15.247 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: Light Strip

Mode: TX 2462MHz

Model: S-01

Manufacturer: /

Polarization: Vertical

Power Source: AC 120V/60Hz

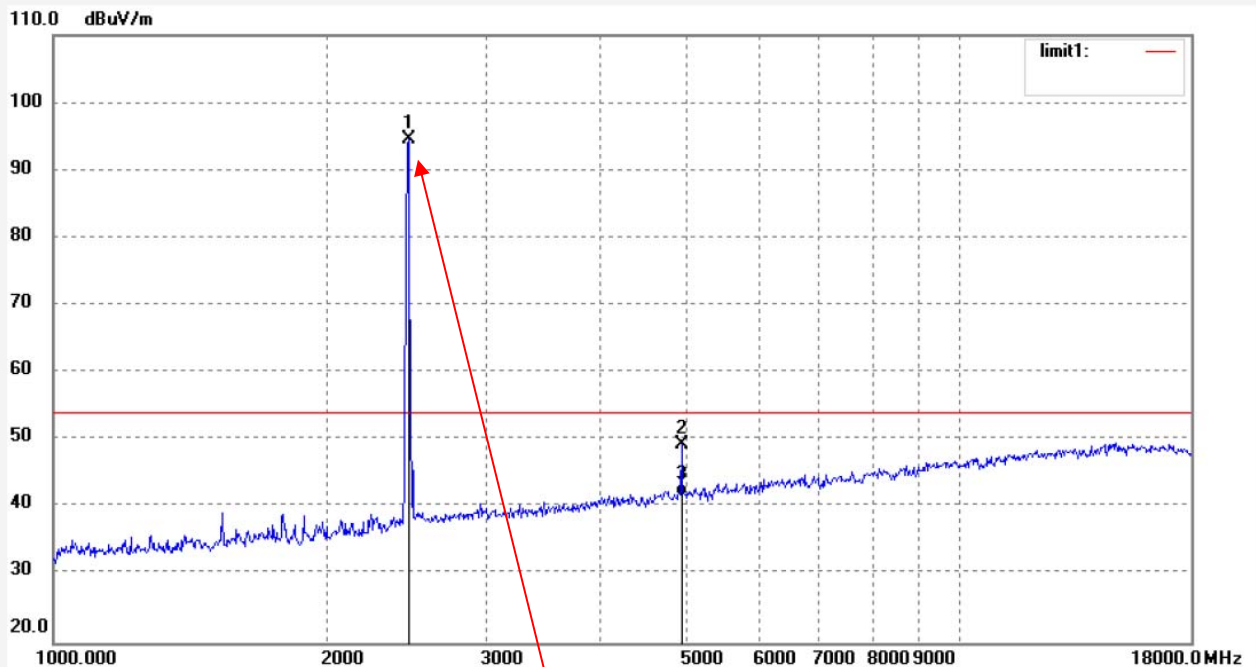
Date: 18/12/26/

Time:

Engineer Signature: WADE

Distance: 3m

Note: 802.11g



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2462.000	93.41	1.09	94.50	/	/	peak			
2	4924.238	41.06	8.40	49.46	54.00	-4.54	peak			
3	4924.238	33.34	8.40	41.74	54.00	-12.26	AVG			

Fundamental frequency

Note: The test value of the fundamental frequency is below the standard limit.

1GHz-18GHz test data

Mode:802.11n HT20



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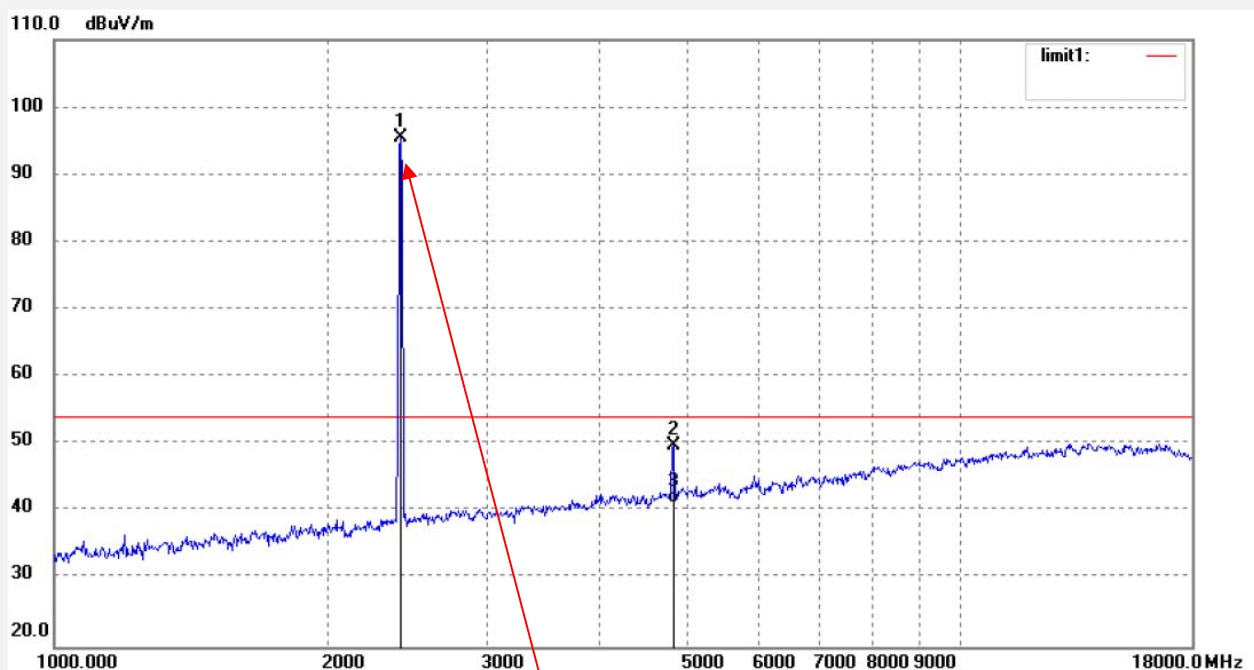
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGW2018 #1292
Standard: FCC 15.247 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Light Strip
Mode: TX 2412MHz
Model: S-01
Manufacturer: /

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 18/12/26/
Time:
Engineer Signature: WADE
Distance: 3m

Note: 802.11n HT20



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2412.000	94.60	0.93	95.53	/	/	peak			
2	4824.236	42.26	7.58	49.84	74.00	-24.16	peak			
3	4824.236	33.78	7.58	41.36	54.00	-12.64	AVG			

Fundamental frequency

Note: The test value of the fundamental frequency is below the standard limit.

Shenzhen Accurate Technology Co., Ltd.

Address: 1/F., Building A, Changyuan New Material Port, Science & Industry Park, Nanshan District, Shenzhen, Guangdong, P.R. China
Tel: +86-755-26503290 Fax: +86-755-26503396 E-mail: webmaster@atc-lab.com Http://www.atc-lab.com

Job No.: LGW2018 #1293

Standard: FCC 15.247 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: Light Strip

Mode: TX 2412MHz

Model: S-01

Manufacturer: /

Polarization: Vertical

Power Source: AC 120V/60Hz

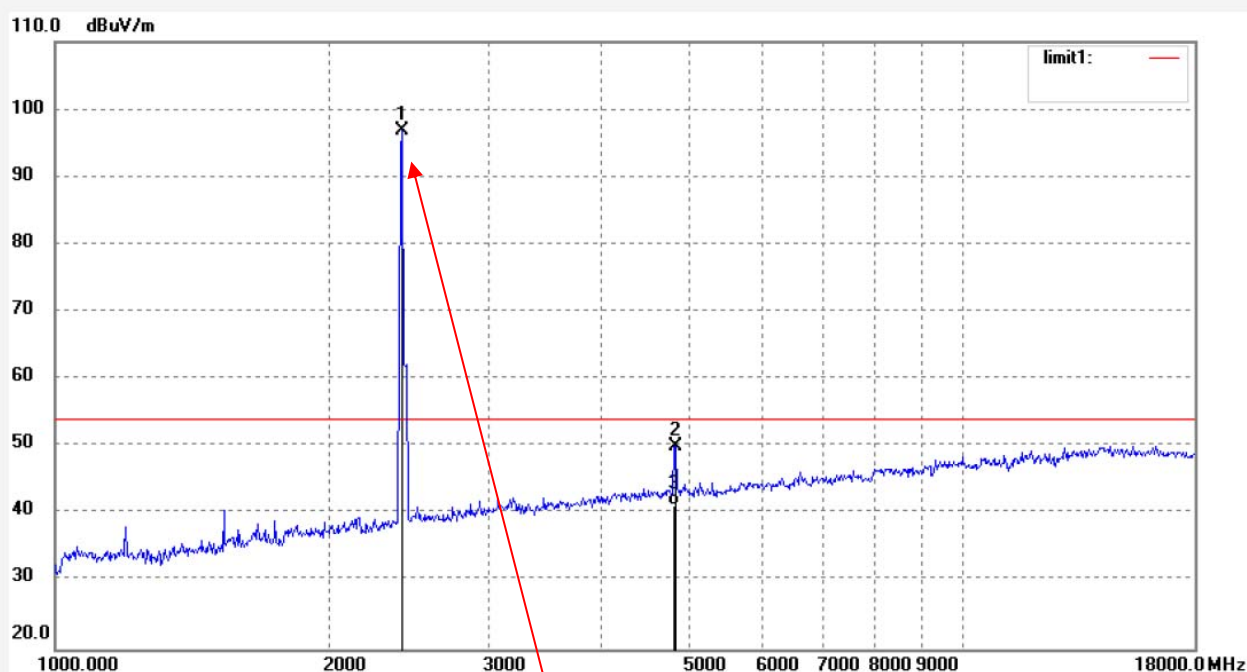
Date: 18/12/26/

Time:

Engineer Signature: WADE

Distance: 3m

Note: 802.11n HT20



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2412.000	95.88	0.93	96.81	/	/	peak			
2	4824.243	42.48	7.58	50.06	74.00	-23.94	peak			
3	4824.243	33.66	7.58	41.24	54.00	-12.76	AVG			

Fundamental frequency

Note: The test value of the fundamental frequency is below the standard limit.

Job No.: LGW2018 #1296

Standard: FCC 15.247 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: Light Strip

Mode: TX 2437MHz

Model: S-01

Manufacturer: /

Polarization: Horizontal

Power Source: AC 120V/60Hz

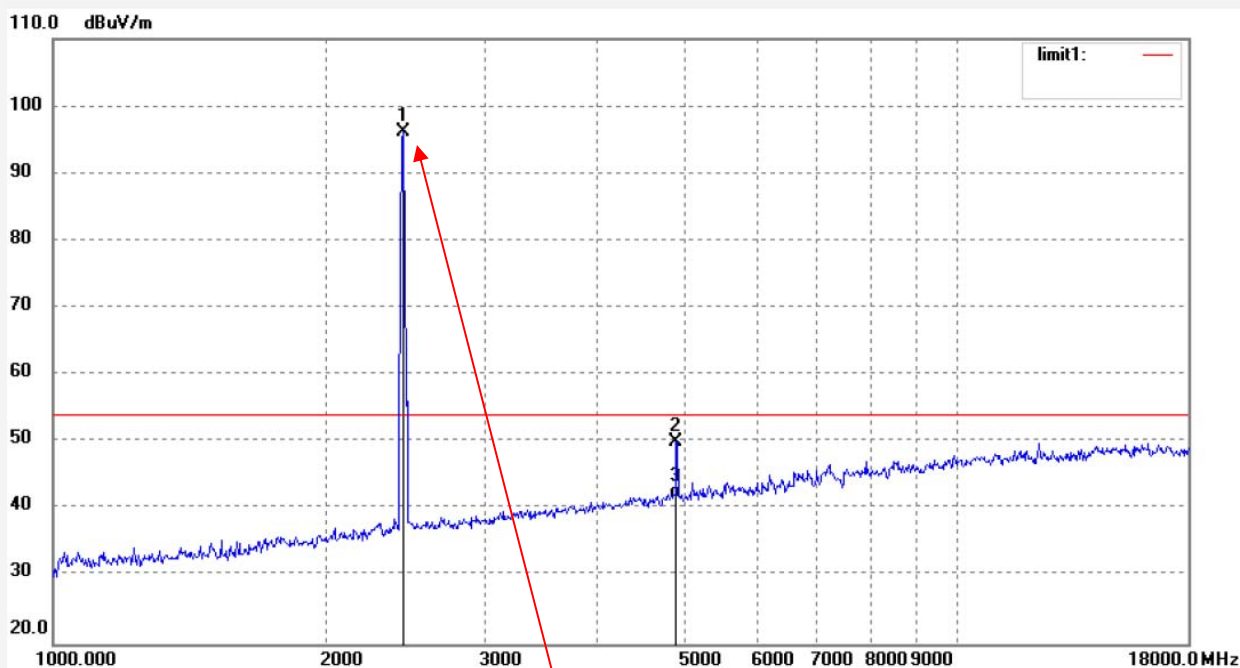
Date: 18/12/26/

Time:

Engineer Signature: WADE

Distance: 3m

Note: 802.11n HT20



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2437.000	95.19	1.04	96.23	/	/	peak			
2	4874.241	42.07	8.04	50.11	74.00	-23.89	peak			
3	4874.241	33.73	8.04	41.77	54.00	-12.23	AVG			

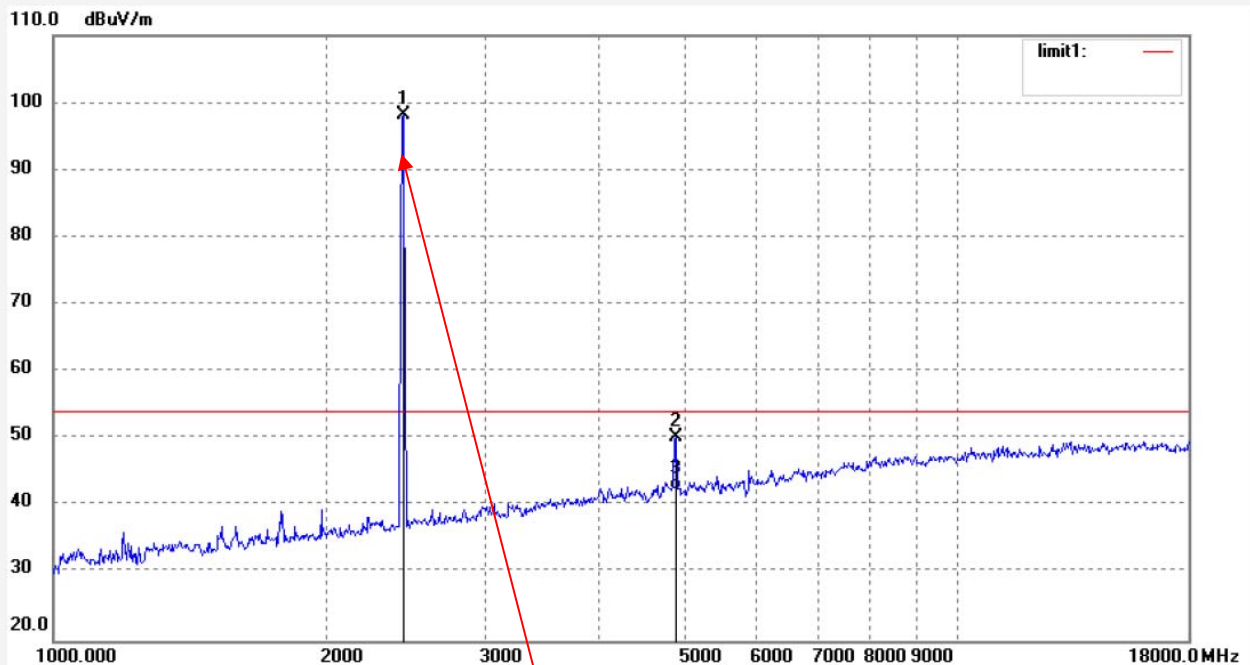
Fundamental frequency

Note: The test value of the fundamental frequency is below the standard limit.

Job No.: LGW2018 #1297
Standard: FCC 15.247 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Light Strip
Mode: TX 2437MHz
Model: S-01
Manufacturer: /

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 18/12/26/
Time:
Engineer Signature: WADE
Distance: 3m

Note: 802.11n HT20



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2437.000	97.12	1.04	98.16	/	/	peak			
2	4874.248	42.17	8.04	50.21	74.00	-23.79	peak			
3	4874.248	34.31	8.04	42.35	54.00	-11.65	AVG			

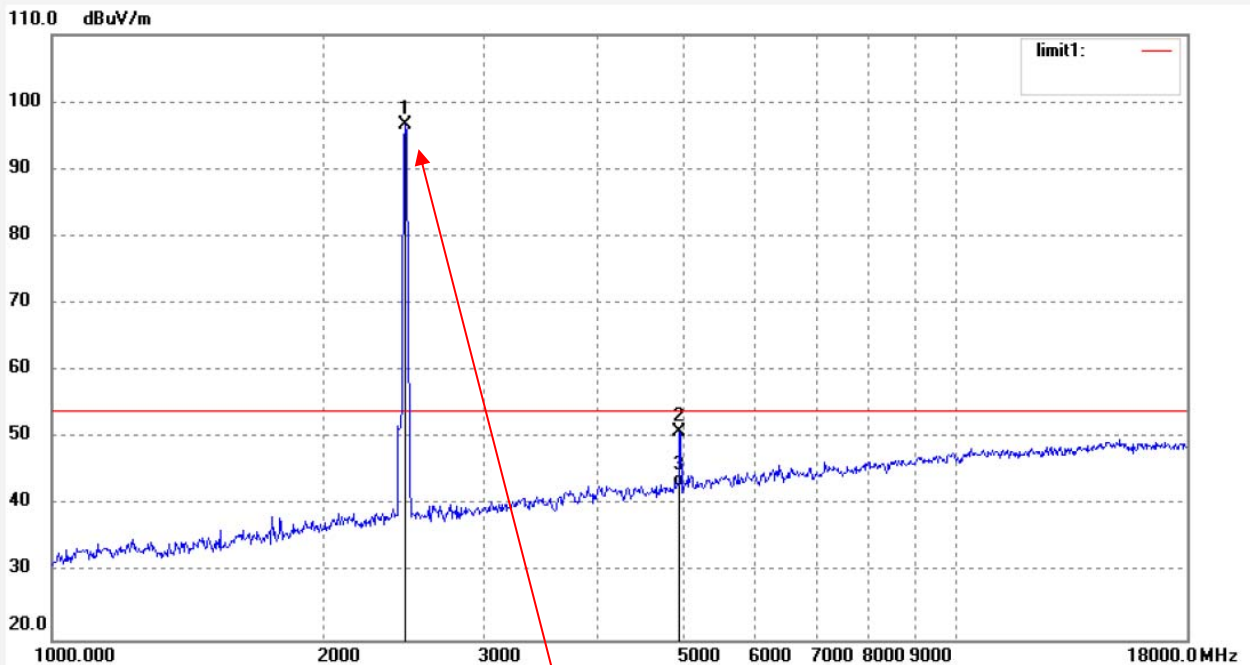
Fundamental frequency

Note: The test value of the fundamental frequency is below the standard limit.

Job No.: LGW2018 #1299
Standard: FCC 15.247 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Light Strip
Mode: TX 2462MHz
Model: S-01
Manufacturer: /

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 18/12/26/
Time:
Engineer Signature: WADE
Distance: 3m

Note: 802.11n HT20



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2462.000	95.42	1.09	96.51	/	/	peak			
2	4924.249	42.43	8.40	50.83	74.00	-23.17	peak			
3	4924.249	34.34	8.40	42.74	54.00	-11.26	AVG			

Fundamental frequency

Note: The test value of the fundamental frequency is below the standard limit.

Job No.: LGW2018 #1298

Standard: FCC 15.247 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: Light Strip

Mode: TX 2462MHz

Model: S-01

Manufacturer: /

Polarization: Vertical

Power Source: AC 120V/60Hz

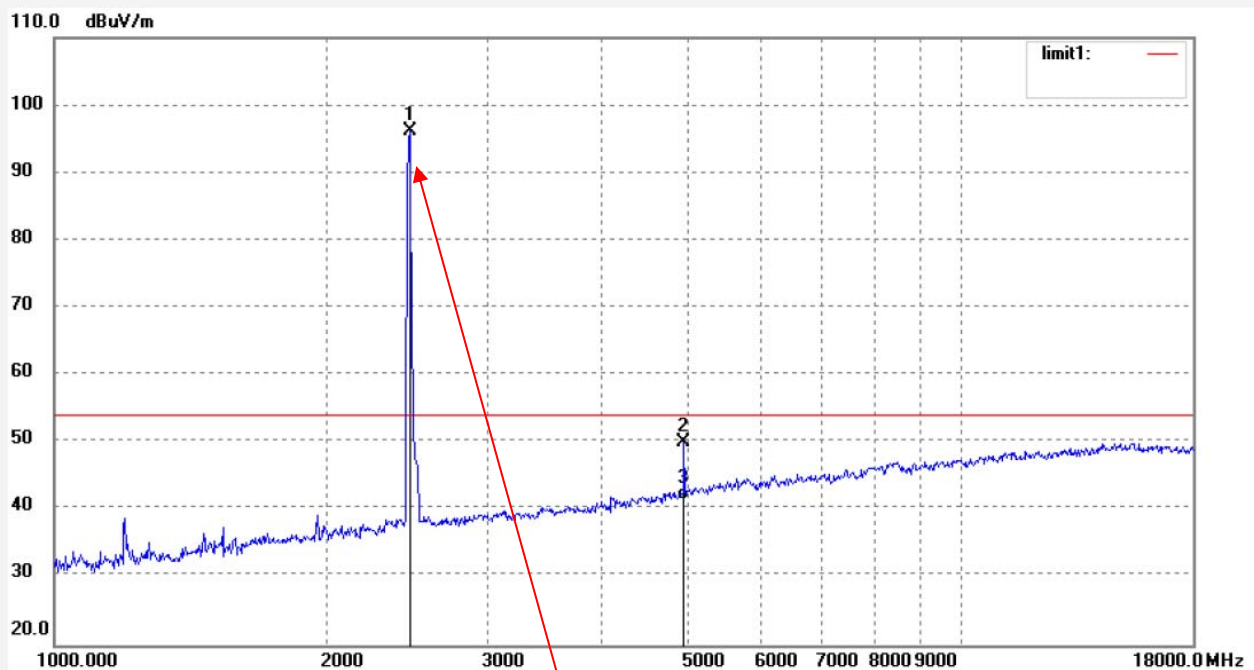
Date: 18/12/26/

Time:

Engineer Signature: WADE

Distance: 3m

Note: 802.11n HT20



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2462.000	95.01	1.09	96.10	/	/	peak			
2	4924.245	41.56	8.40	49.96	74.00	-24.04	peak			
3	4924.245	33.07	8.40	41.47	54.00	-12.53	AVG			

Fundamental frequency

Note: The test value of the fundamental frequency is below the standard limit.

1GHz-18GHz test data Mode:802.11n HT40



ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

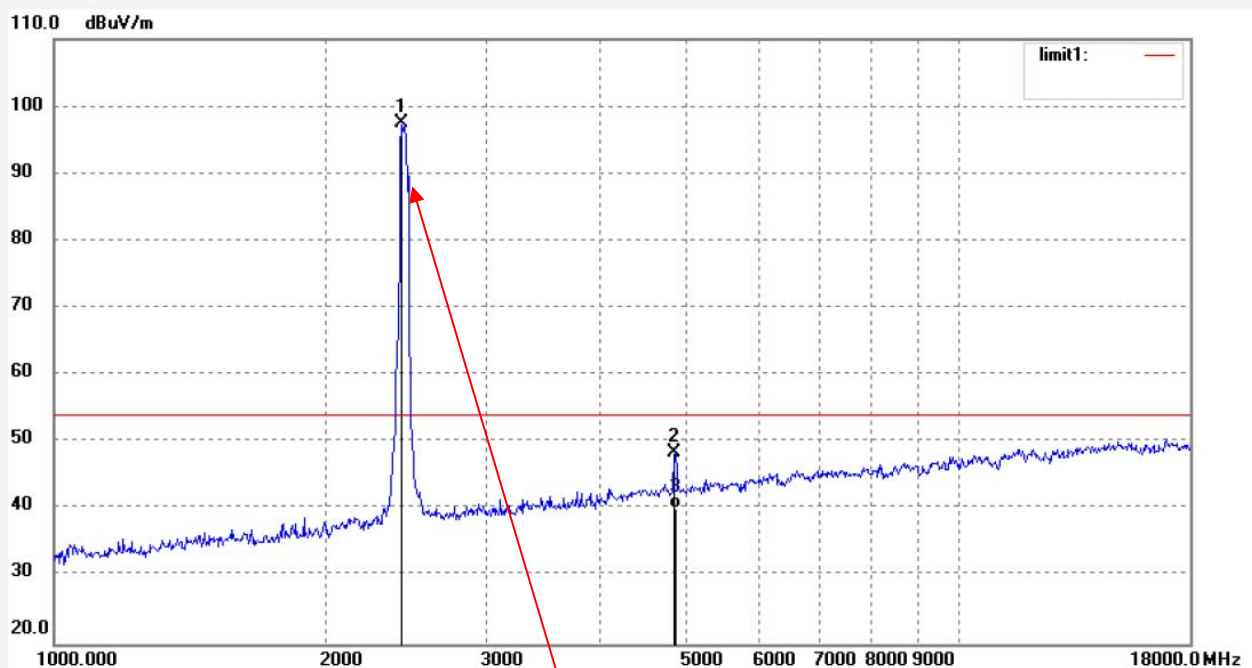
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LGW2018 #1308
Standard: FCC 15.247 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Light Strip
Mode: TX 2422MHz
Model: S-01
Manufacturer: /

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 18/06/01/
Time:
Engineer Signature: WADE
Distance: 3m

Note: 802.11n HT40



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2422.000	96.63	0.98	97.61	/	/	peak			
2	4844.324	40.61	7.76	48.37	74.00	-25.63	peak			
3	4844.324	32.45	7.76	40.21	54.00	-13.79	AVG			

Fundamental frequency

Note: The test value of the fundamental frequency is below the standard limit.

Shenzhen Accurate Technology Co., Ltd.

Address: 1/F., Building A, Changyuan New Material Port, Science & Industry Park, Nanshan District, Shenzhen, Guangdong, P.R. China

Tel: +86-755-26503290

Fax: +86-755-26503396

E-mail: webmaster@atc-lab.com

Http://www.atc-lab.com



ACCURATE TECHNOLOGY CO., LTD.

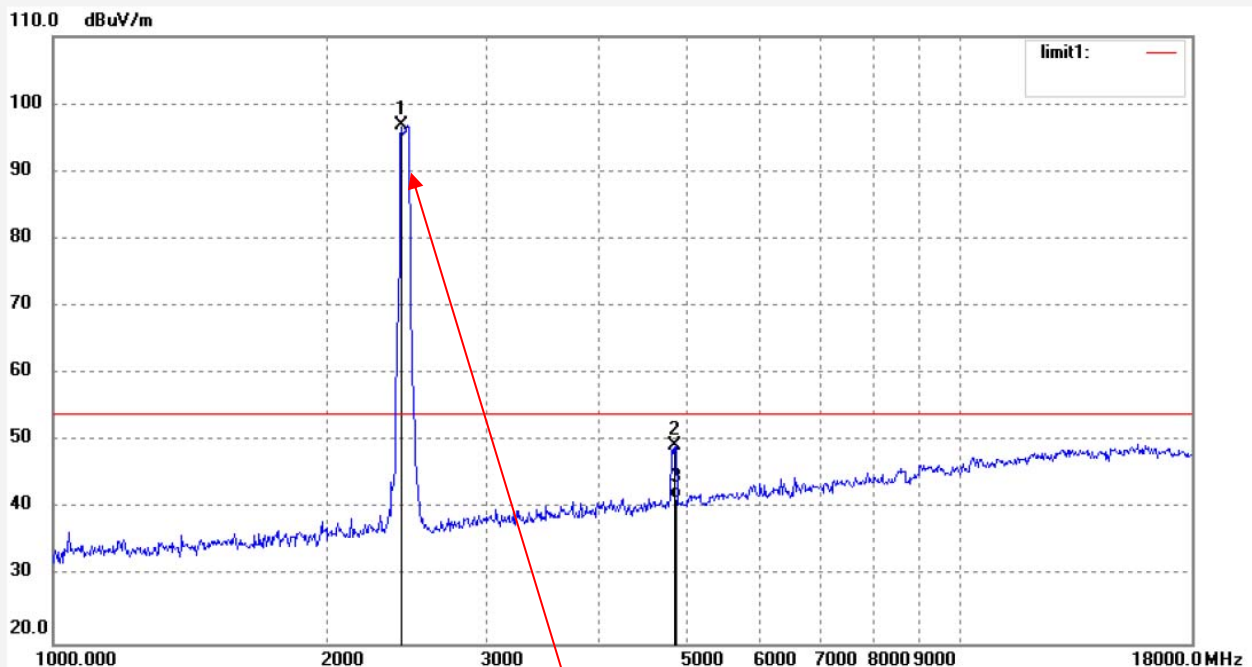
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGW2018 #1309
Standard: FCC 15.247 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Light Strip
Mode: TX 2422MHz
Model: S-01
Manufacturer: /

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 18/06/01/
Time:
Engineer Signature: WADE
Distance: 3m

Note: 802.11n HT40



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2422.000	95.82	0.97	96.79	/	/	peak			
2	4844.330	41.65	7.76	49.41	74.00	-24.59	peak			
3	4844.330	33.75	7.76	41.51	54.00	-12.49	AVG			

Fundamental frequency

Note: The test value of the fundamental frequency is below the standard limit.

Job No.: LGW2018 #1312

Standard: FCC 15.247 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: Light Strip

Mode: TX 2437MHz

Model: S-01

Manufacturer: /

Polarization: Horizontal

Power Source: AC 120V/60Hz

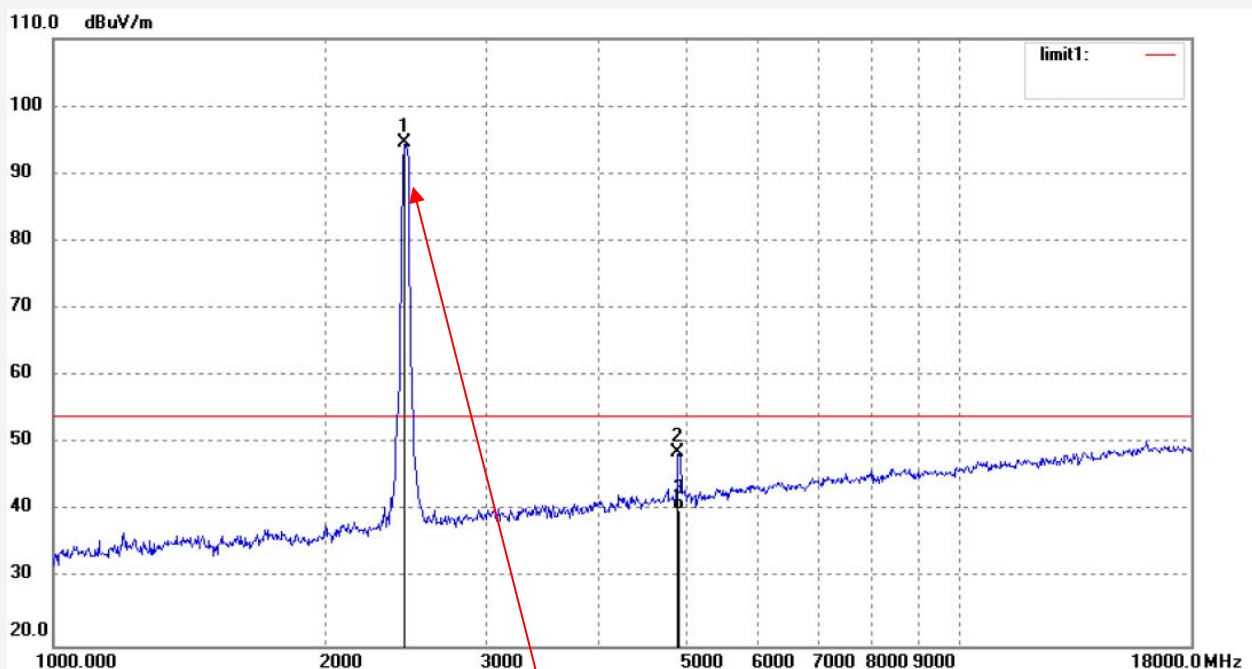
Date: 18/06/01/

Time:

Engineer Signature: WADE

Distance: 3m

Note: 802.11n HT40



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2437.000	93.45	1.04	94.49	/	/	peak			
2	4874.345	40.67	8.04	48.71	74.00	-25.29	peak			
3	4874.345	32.20	8.04	40.24	54.00	-13.76	AVG			

Fundamental frequency

Note: The test value of the fundamental frequency is below the standard limit.

Job No.: LGW2018 #1313

Standard: FCC 15.247 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: Light Strip

Mode: TX 2437MHz

Model: S-01

Manufacturer: /

Polarization: Vertical

Power Source: AC 120V/60Hz

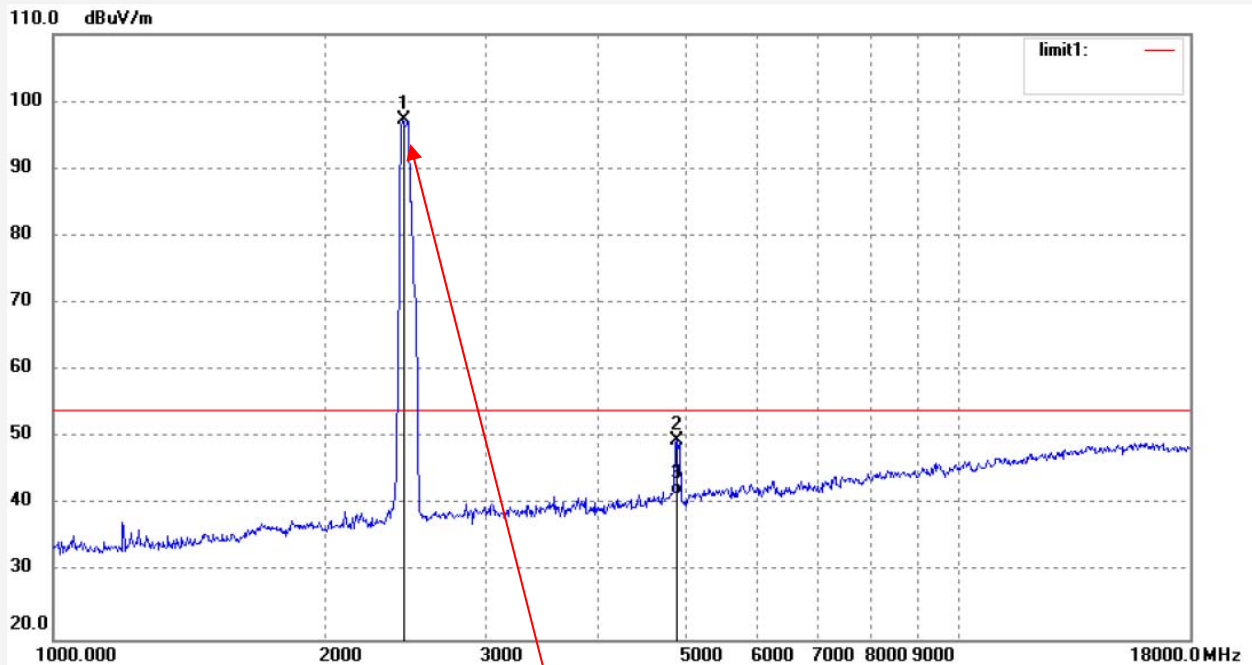
Date: 18/06/01/

Time:

Engineer Signature: WADE

Distance: 3m

Note: 802.11n HT40



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2437.000	96.20	1.04	97.24	/	/	peak			
2	4874.347	41.63	8.04	49.67	74.00	-24.33	peak			
3	4874.347	33.51	8.04	41.55	54.00	-12.45	AVG			

Fundamental frequency

Note: The test value of the fundamental frequency is below the standard limit.

Job No.: LGW2018 #1315

Standard: FCC 15.247 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: Light Strip

Mode: TX 2452MHz

Model: S-01

Manufacturer: /

Polarization: Horizontal

Power Source: AC 120V/60Hz

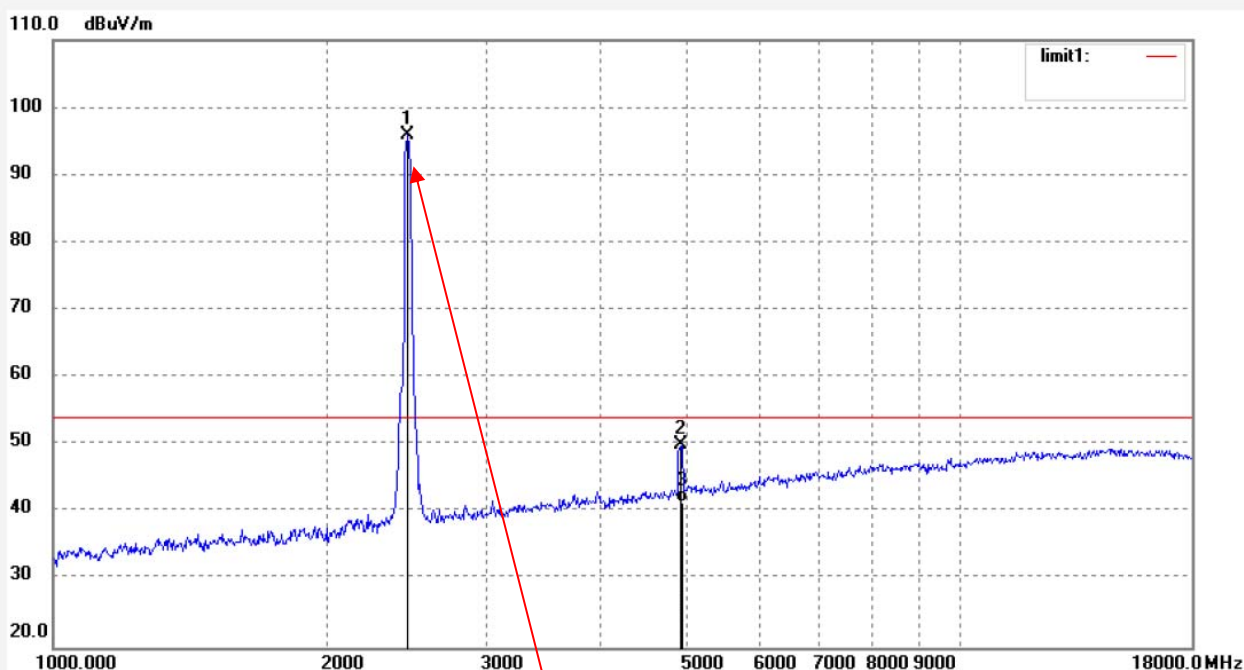
Date: 18/06/01/

Time:

Engineer Signature: WADE

Distance: 3m

Note: 802.11n HT40



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2452.000	94.74	1.09	95.83	/	/	peak			
2	4904.355	41.81	8.30	50.11	74.00	-23.89	peak			
3	4904.355	33.21	8.30	41.51	54.00	-12.49	AVG			

Fundamental frequency

Note: The test value of the fundamental frequency is below the standard limit.

Job No.: LGW2018 #1314

Standard: FCC 15.247 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: Light Strip

Mode: TX 2452MHz

Model: S-01

Manufacturer: /

Polarization: Vertical

Power Source: AC 120V/60Hz

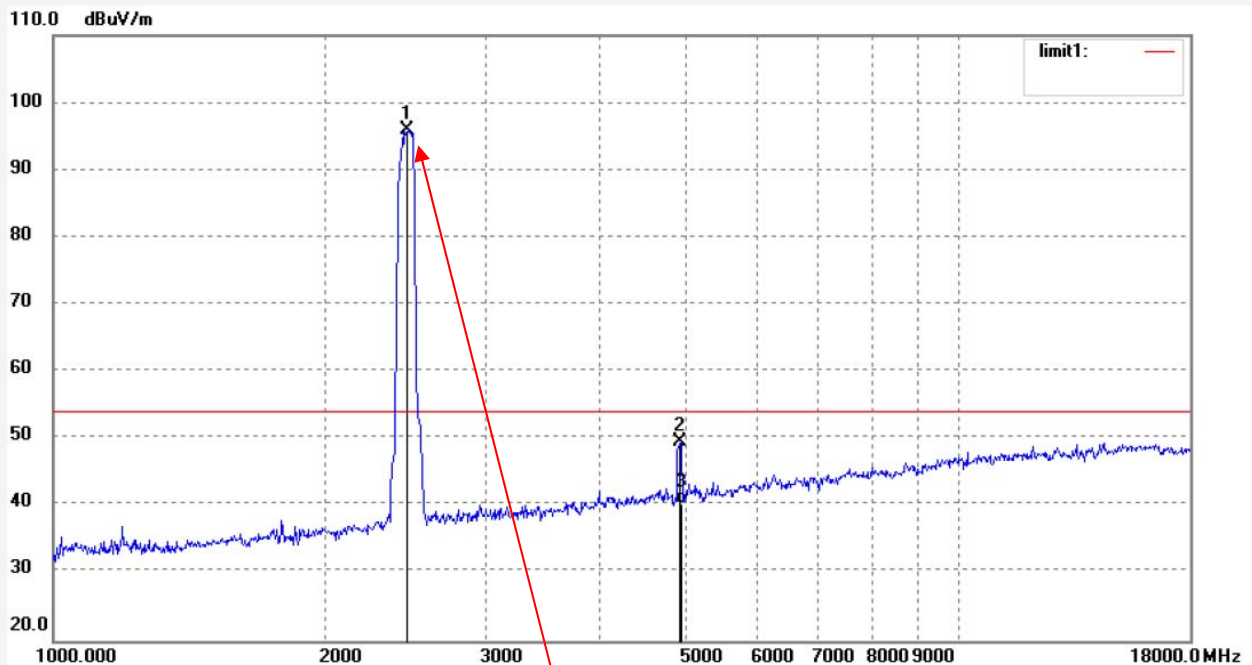
Date: 18/06/01/

Time:

Engineer Signature: WADE

Distance: 3m

Note: 802.11n HT40



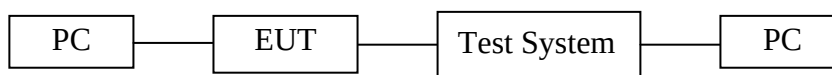
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2452.000	94.82	1.09	95.91	/	/	peak			
2	4904.348	41.29	8.30	49.59	74.00	-24.41	peak			
3	4904.348	32.05	8.30	40.35	54.00	-13.65	AVG			

Fundamental frequency

Note: The test value of the fundamental frequency is below the standard limit.

12.99% OCCUPIED BANDWIDTH

12.1. Block Diagram of Test Setup



12.2. EUT Configuration on Measurement

The following equipment is installed on the emission measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

12.3. Operating Condition of EUT

12.3.1. Setup the EUT and simulator as shown as Section 12.1.

12.3.2. Turn on the power of all equipment.

12.3.3. Let the EUT work in TX modes measure it. The transmit frequency are 2412-2462 and 2422-2452MHz. We select 2412MHz, 2437MHz, 2462MHz and 2422MHz, 2437MHz, 2452MHz TX frequency to transmit.

12.4. Test Procedure

12.4.1. The transmitter output was connected to the spectrum analyzer through a low loss cable. The transmitter shall be operated at its maximum carrier power measured under normal test conditions. The span of the analyzer shall be set to capture all products of the modulation process, including the emission skirts.

12.4.2. The resolution bandwidth (RBW) shall be in the range of 1% to 5% of the occupied bandwidth (OBW) and video bandwidth (VBW) shall be approximately 3x RBW.

12.4.3. A peak, or peak hold, may be used in place of the sampling detector as this may produce a wider bandwidth than the actual bandwidth (worst-case measurement). Use of a peak hold may be necessary to determine the occupied bandwidth if the device is not transmitting continuously.

12.4.4. Set SPA “Meas” function, Select “Occupied Bandwidth” function, Select “99% Power Bandwidth”. The frequency of the upper and lower markers indicating the edges of the transmitters “99% Power” emission bandwidth shall be recorded to automate by SPA.

12.5.Measurement Result

The test was performed with 802.11b		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
Low	2412	13.242
Middle	2437	13.242
High	2462	13.242

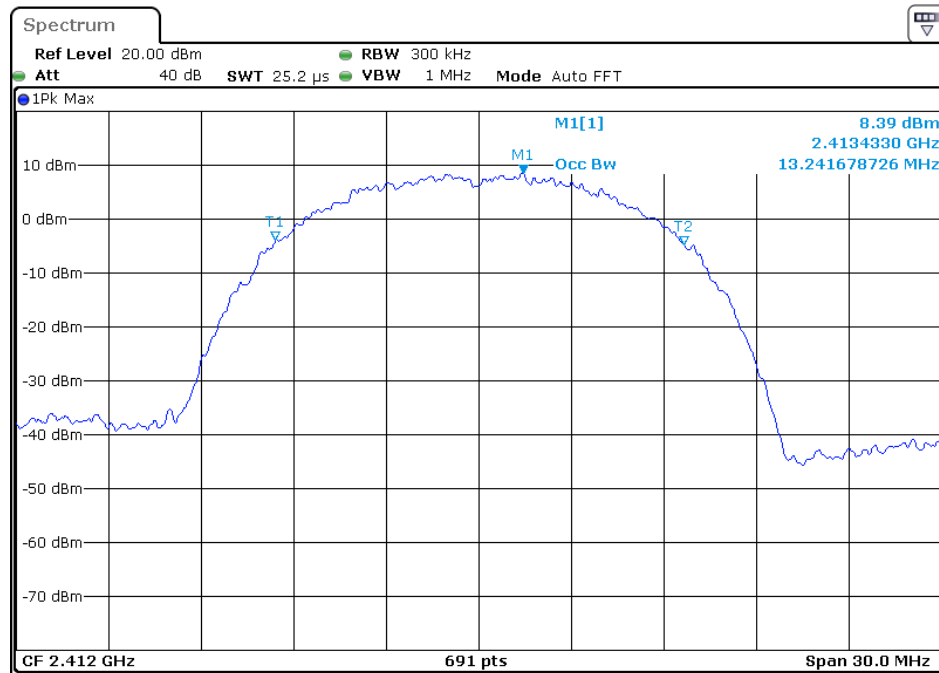
The test was performed with 802.11g		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
Low	2412	16.715
Middle	2437	16.628
High	2462	16.628

The test was performed with 802.11n (Bandwidth: 20 MHz)		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
Low	2412	17.670
Middle	2437	17.713
High	2462	17.713

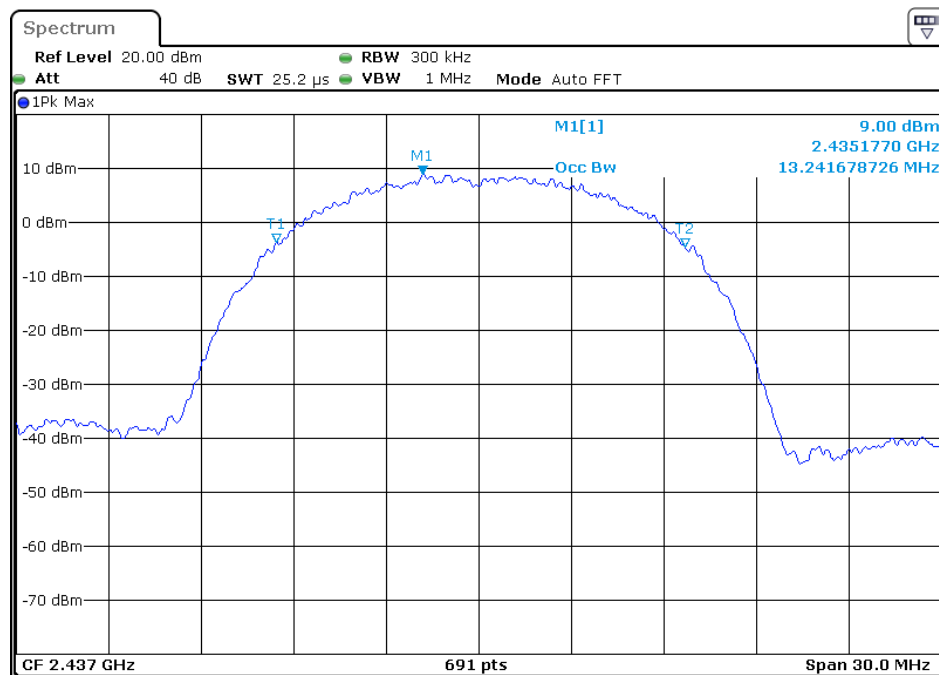
The test was performed with 802.11n (Bandwidth: 40 MHz)		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
Low	2422	36.990
Middle	2437	36.903
High	2452	36.990

The spectrum analyzer plots are attached as below.

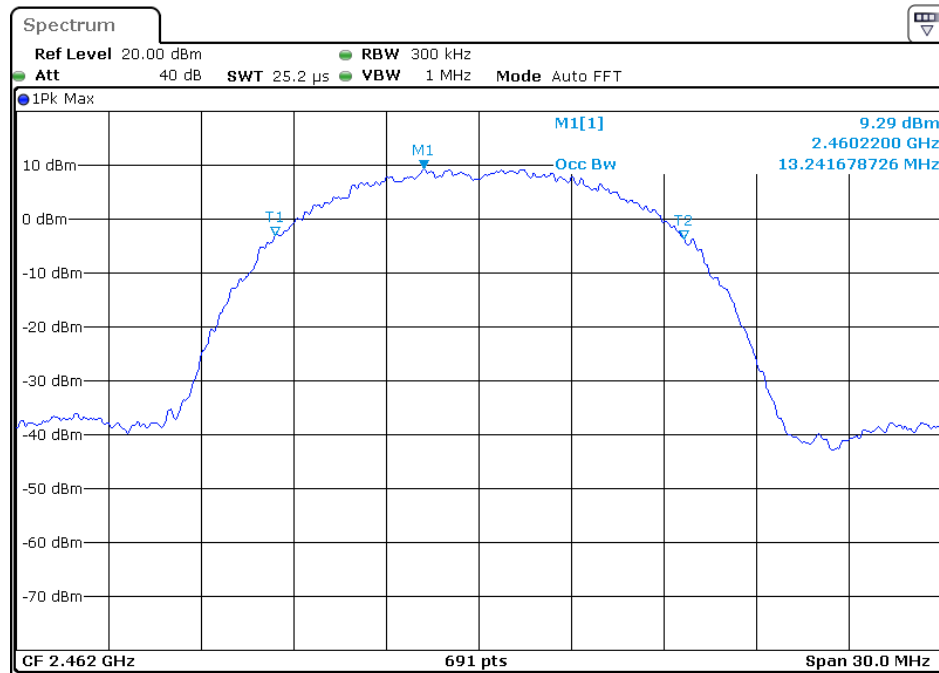
802.11b Low Channel 2412MHz



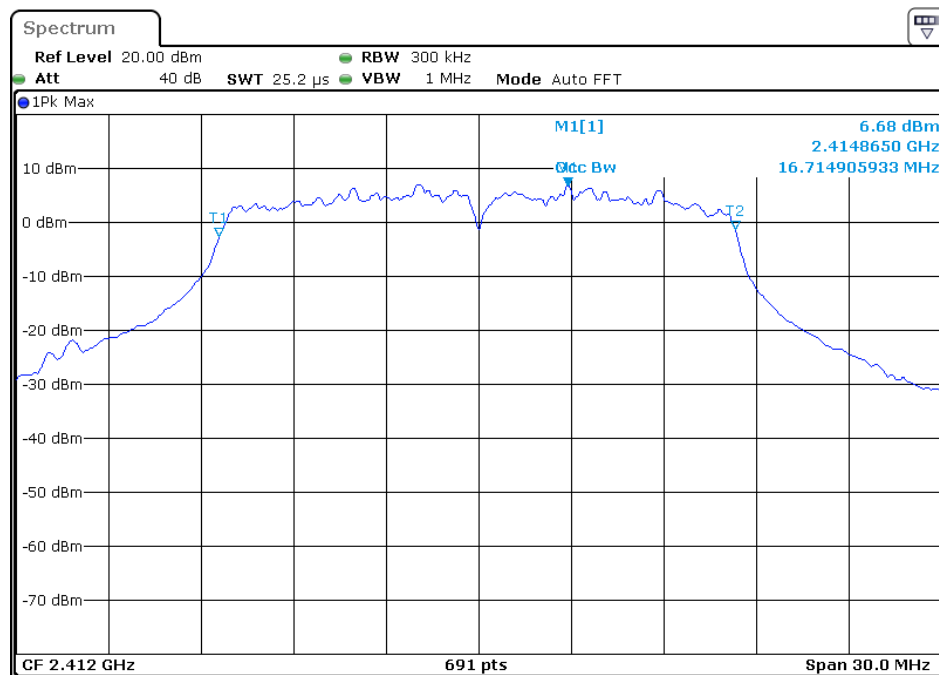
802.11b Middle Channel 2437MHz



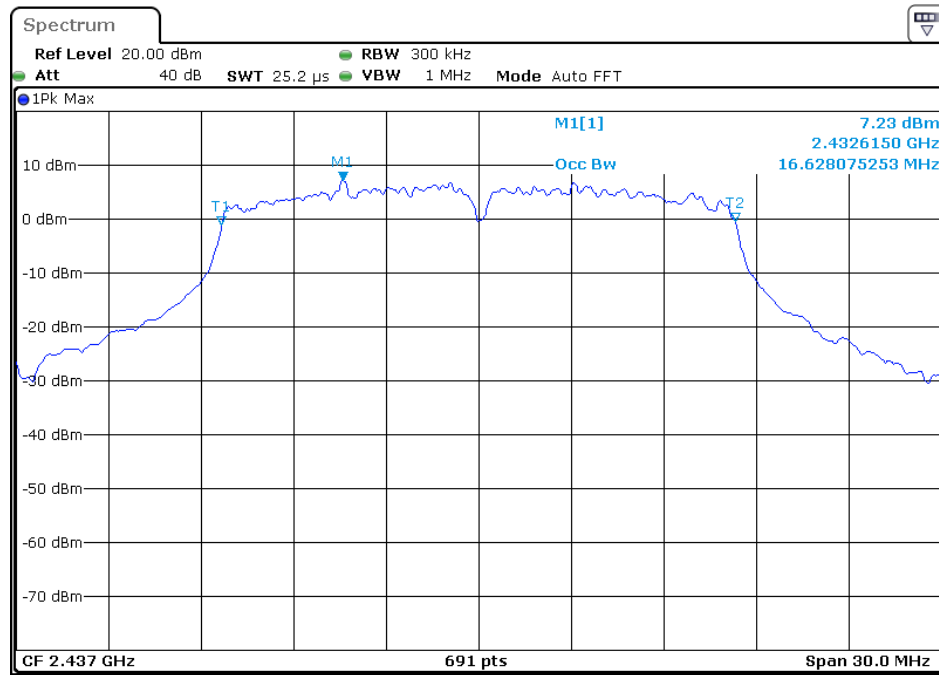
802.11b High Channel 2462MHz



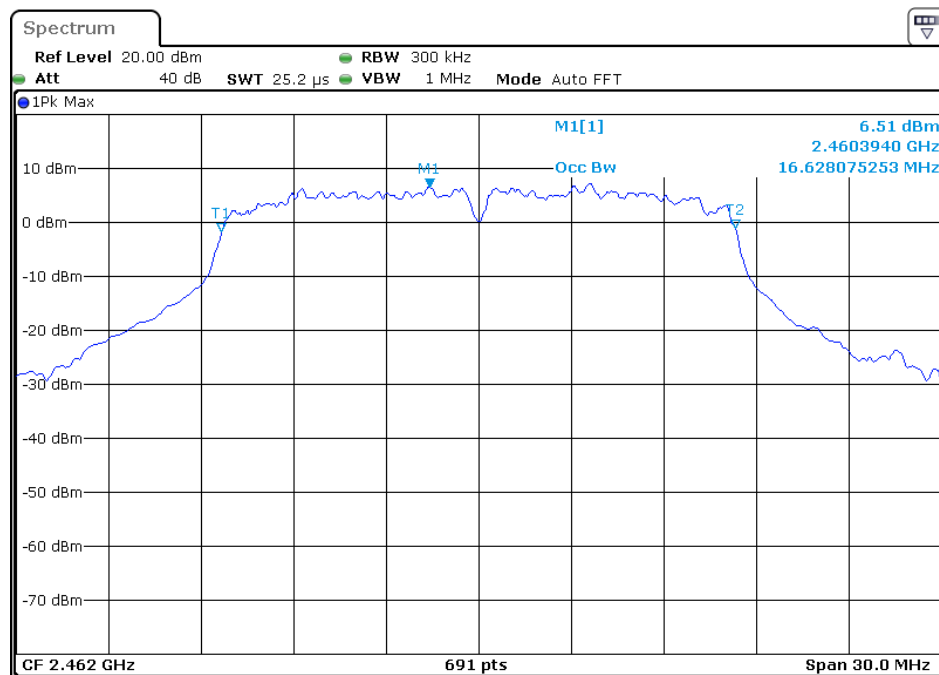
802.11g Channel Low 2412MHz



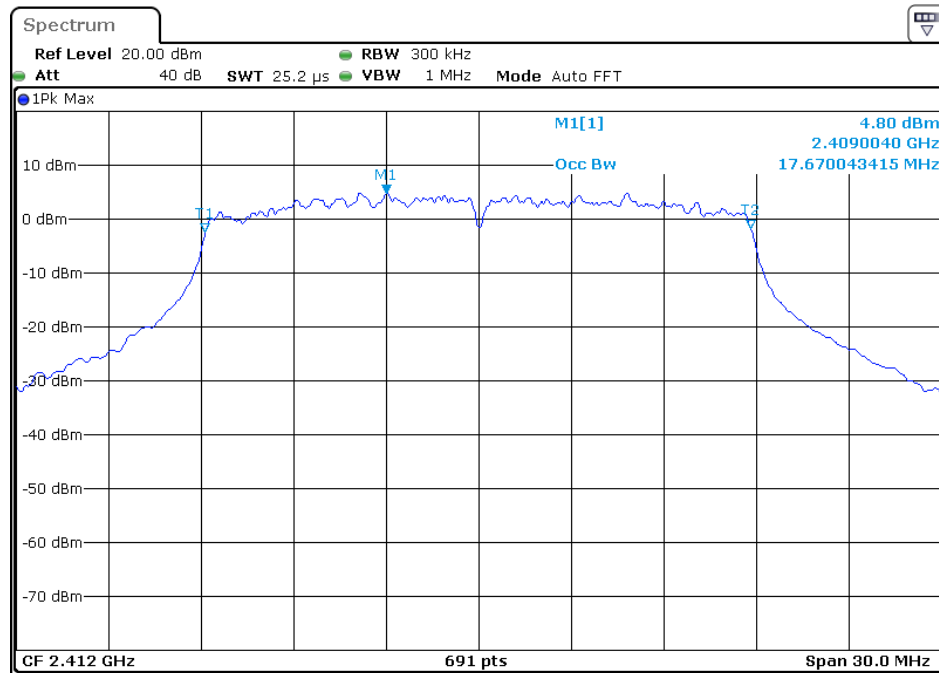
802.11g Middle Channel 2437MHz



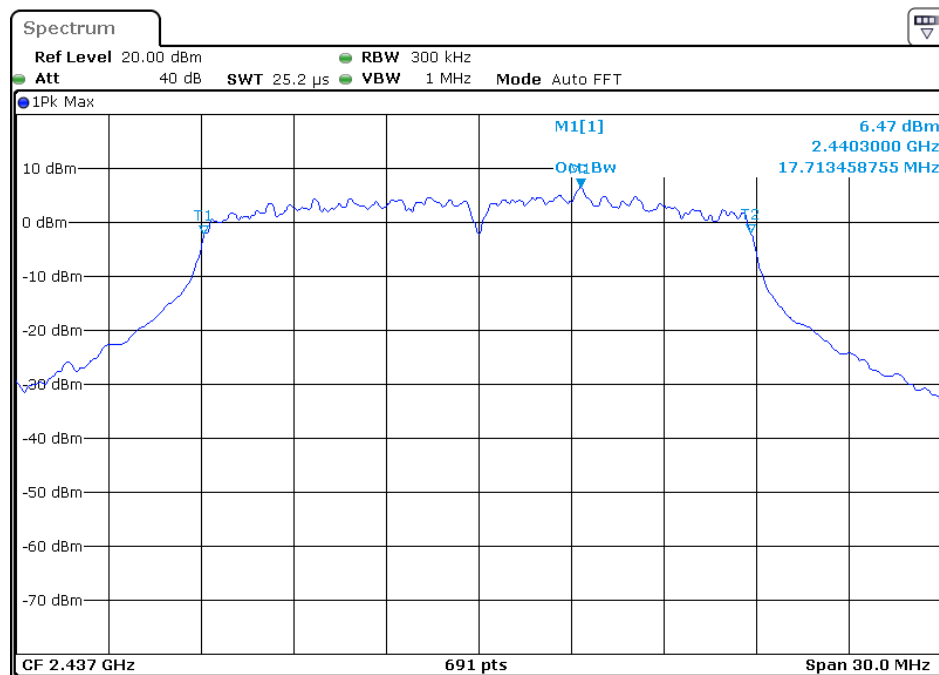
802.11g High Channel 2462MHz



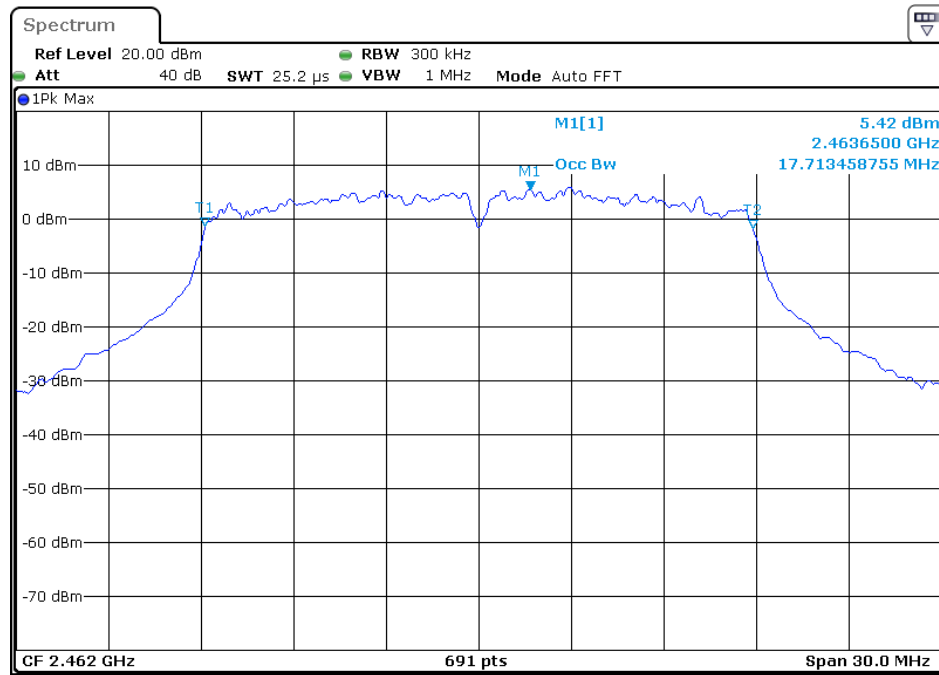
802.11n(20MHz) Low Channel 2412MHz



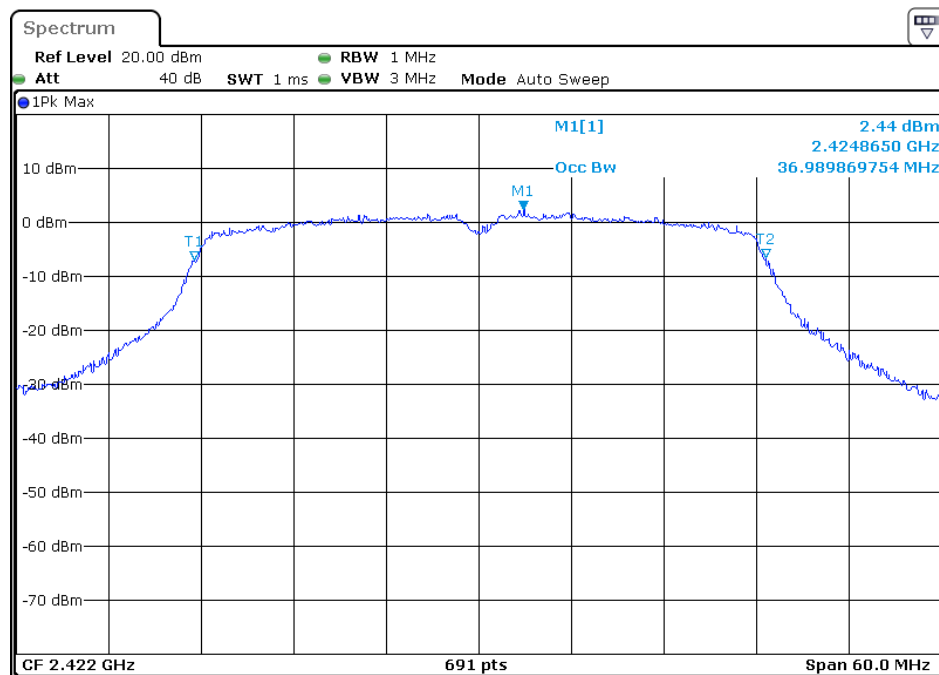
802.11n(20MHz) Middle Channel 2437MHz



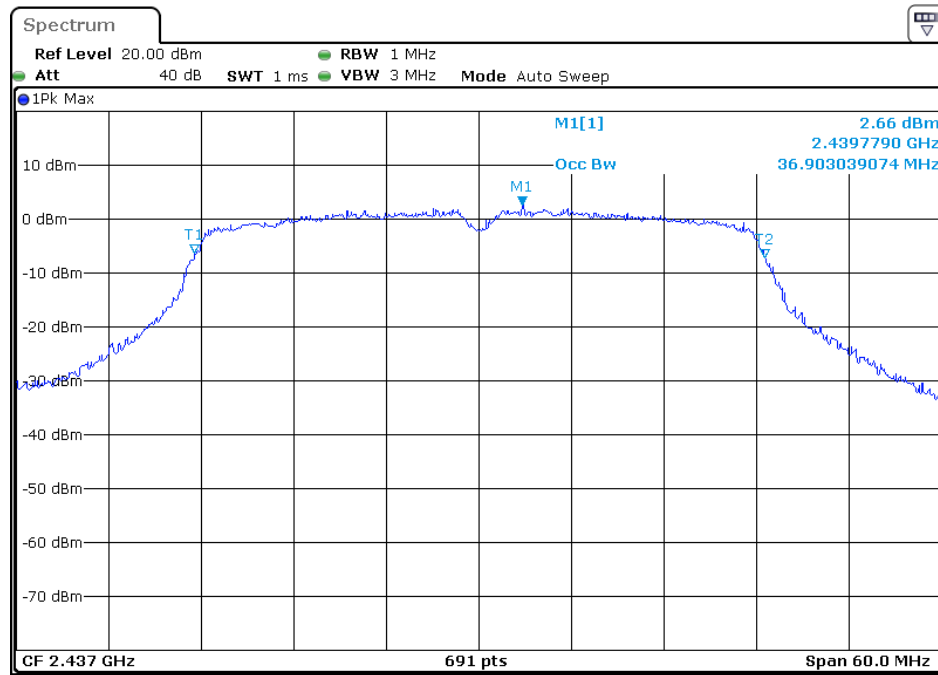
802.11n(20MHz) High Channel 2462MHz



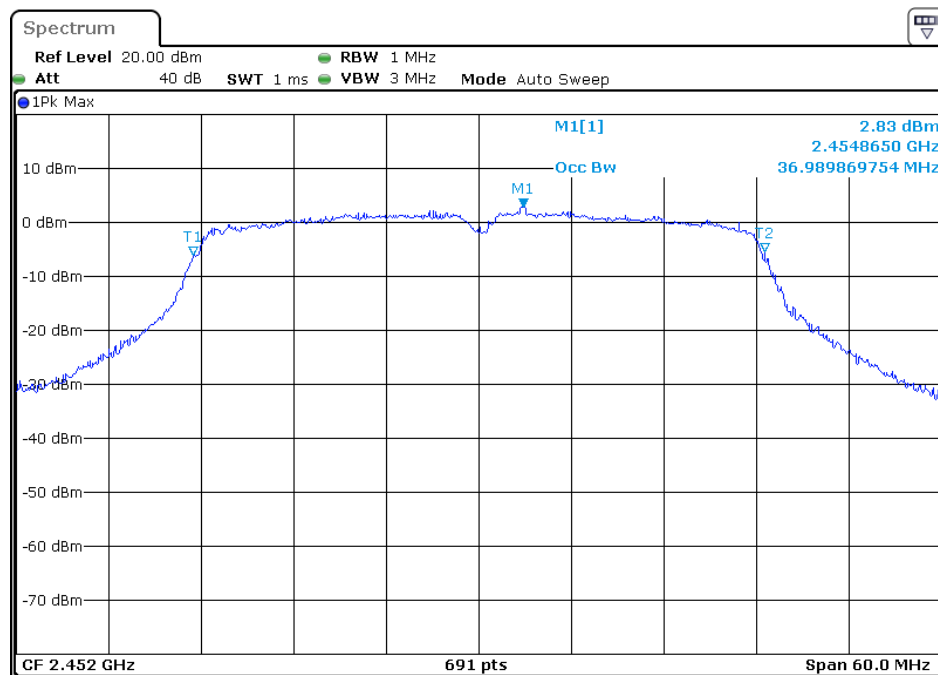
802.11n(40MHz) Low Channel 2422MHz



802.11n(40MHz) Middle Channel 2437MHz



802.11n(40MHz) High Channel 2452MHz



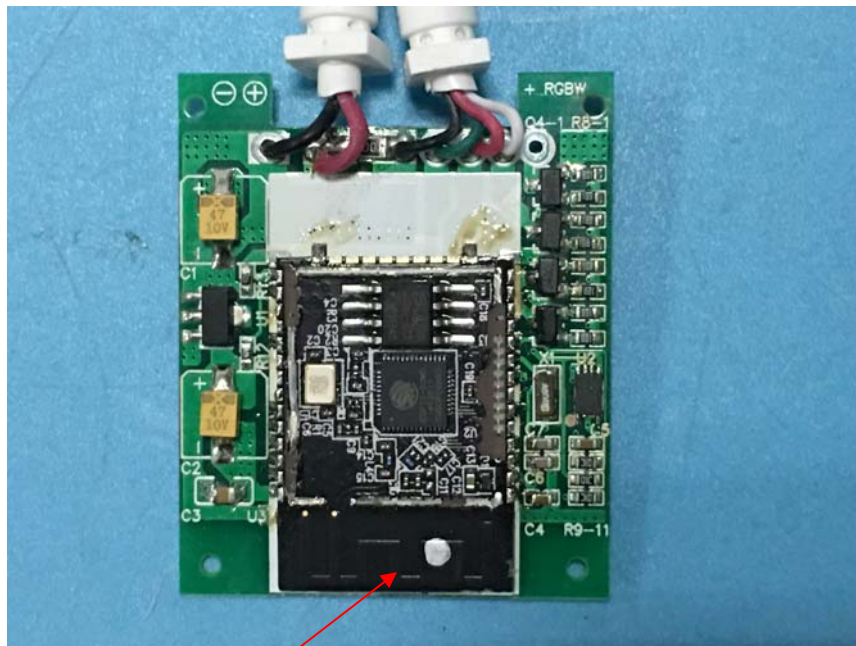
13.ANTENNA REQUIREMENT

13.1.The Requirement

According to Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

13.2.Antenna Construction

Device is equipped with permanent attached antenna, which isn't displaced by other antenna. The Antenna gain of EUT is 0dBi. Therefore, the equipment complies with the antenna requirement of Section 15.203.



Antenna

***** End of Test Report *****